

RF Test Data
Report No.:NCT26024696XE1-2
FCC ID:2BNNN-G10E

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1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.25	500	Pass
NVNT	ANT1	802.11b	2437.00	9.01	500	Pass
NVNT	ANT1	802.11b	2462.00	9.48	500	Pass
NVNT	ANT1	802.11g	2412.00	16.20	500	Pass
NVNT	ANT1	802.11g	2437.00	16.14	500	Pass
NVNT	ANT1	802.11g	2462.00	16.12	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.57	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.64	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.65	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.23	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.95	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.09	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	18.79	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	18.87	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	18.85	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	37.66	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	37.38	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	37.28	500	Pass

-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2462



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2437

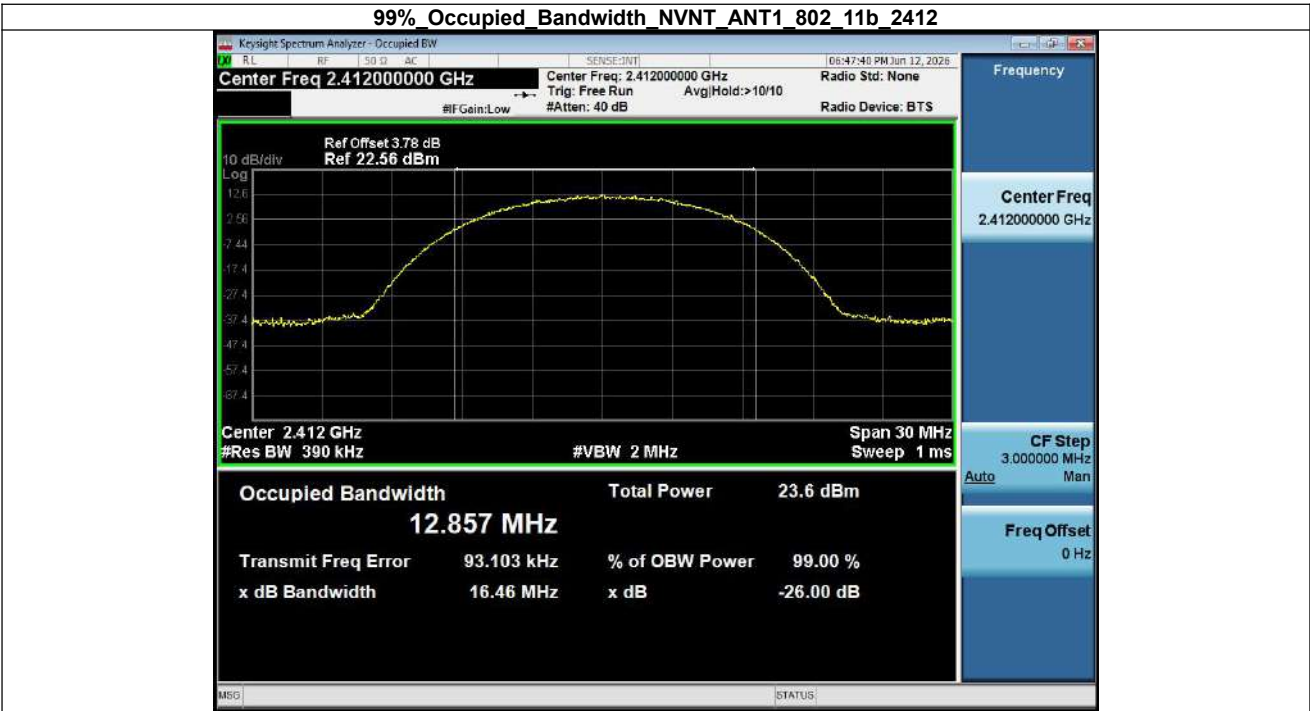


-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2452



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	12.857
NVNT	ANT1	802.11b	2437.00	12.868
NVNT	ANT1	802.11b	2462.00	12.941
NVNT	ANT1	802.11g	2412.00	17.287
NVNT	ANT1	802.11g	2437.00	17.303
NVNT	ANT1	802.11g	2462.00	17.411
NVNT	ANT1	802.11n(HT20)	2412.00	19.103
NVNT	ANT1	802.11n(HT20)	2437.00	19.166
NVNT	ANT1	802.11n(HT20)	2462.00	19.150
NVNT	ANT1	802.11n(HT40)	2422.00	36.925
NVNT	ANT1	802.11n(HT40)	2437.00	36.947
NVNT	ANT1	802.11n(HT40)	2452.00	36.897
NVNT	ANT1	802.11ax(HE20)	2412.00	19.457
NVNT	ANT1	802.11ax(HE20)	2437.00	19.604
NVNT	ANT1	802.11ax(HE20)	2462.00	19.556
NVNT	ANT1	802.11ax(HE40)	2422.00	38.245
NVNT	ANT1	802.11ax(HE40)	2437.00	38.265
NVNT	ANT1	802.11ax(HE40)	2452.00	38.196



99% Occupied Bandwidth NVNT ANT1 802_11b 2437



99% Occupied Bandwidth_NVNT_ANT1_802_11b_2462



99% Occupied Bandwidth_NVNT_ANT1_802_11g_2412





99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2412



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2462



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2422



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2437

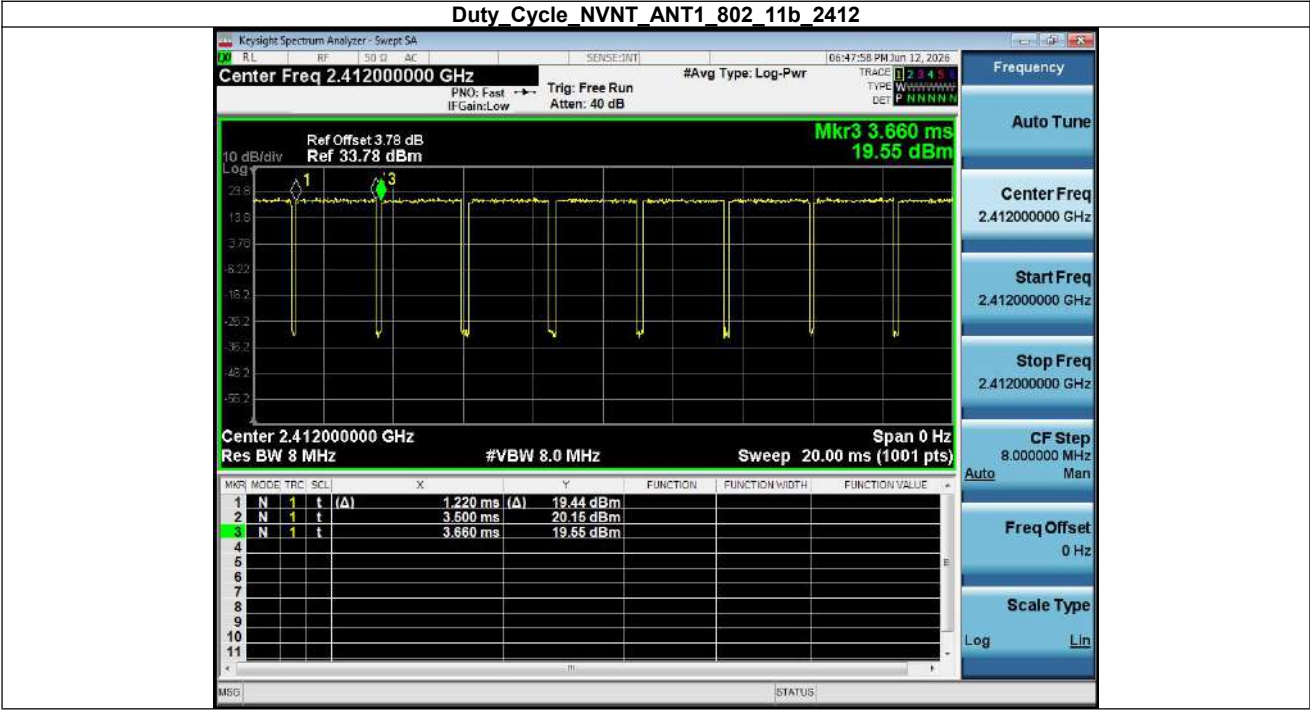


99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2452

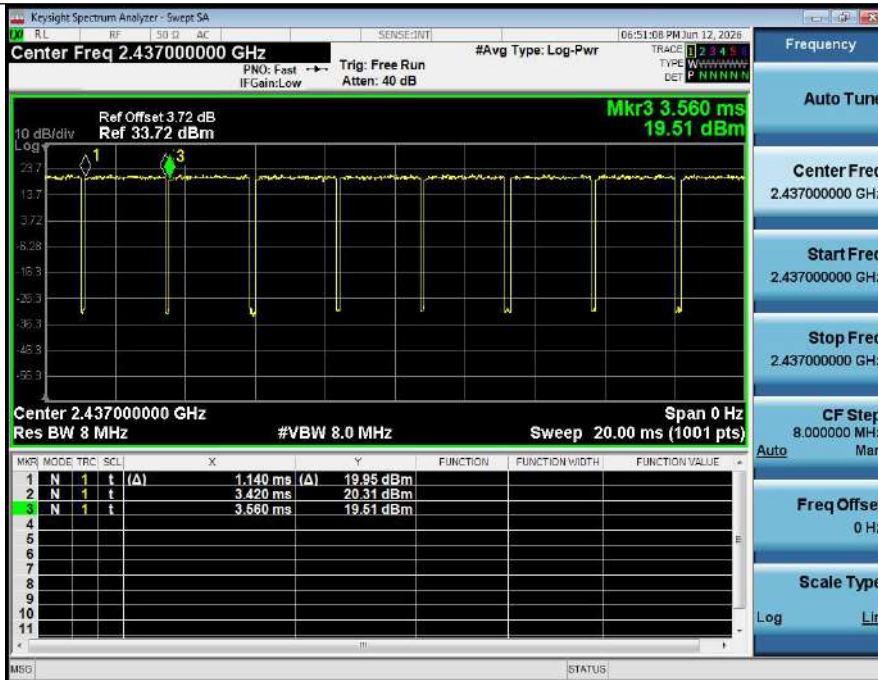


3. Duty Cycle

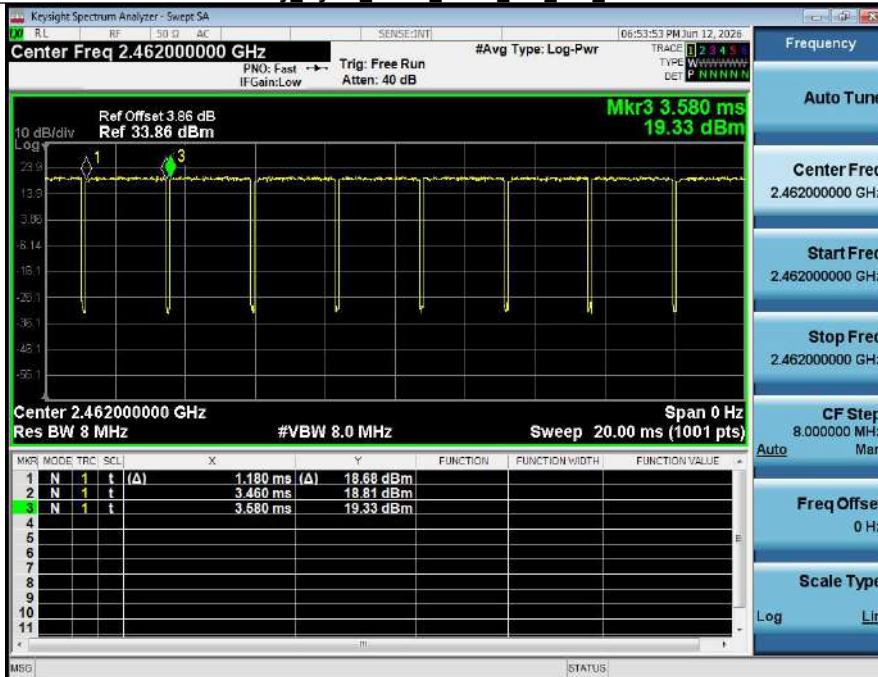
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	94.26	0.26
NVNT	ANT1	802.11b	2437.00	95.04	0.22
NVNT	ANT1	802.11b	2462.00	95.83	0.18
NVNT	ANT1	802.11g	2412.00	78.13	1.07
NVNT	ANT1	802.11g	2437.00	83.33	0.79
NVNT	ANT1	802.11g	2462.00	71.43	1.46
NVNT	ANT1	802.11n(HT20)	2412.00	95.43	0.20
NVNT	ANT1	802.11n(HT20)	2437.00	95.43	0.20
NVNT	ANT1	802.11n(HT20)	2462.00	96.91	0.14
NVNT	ANT1	802.11n(HT40)	2422.00	63.16	2.00
NVNT	ANT1	802.11n(HT40)	2437.00	64.71	1.89
NVNT	ANT1	802.11n(HT40)	2452.00	66.67	1.76
NVNT	ANT1	802.11ax(HE20)	2412.00	95.36	0.21
NVNT	ANT1	802.11ax(HE20)	2437.00	96.00	0.18
NVNT	ANT1	802.11ax(HE20)	2462.00	96.00	0.18
NVNT	ANT1	802.11ax(HE40)	2422.00	43.75	3.59
NVNT	ANT1	802.11ax(HE40)	2437.00	53.33	2.73
NVNT	ANT1	802.11ax(HE40)	2452.00	53.33	2.73



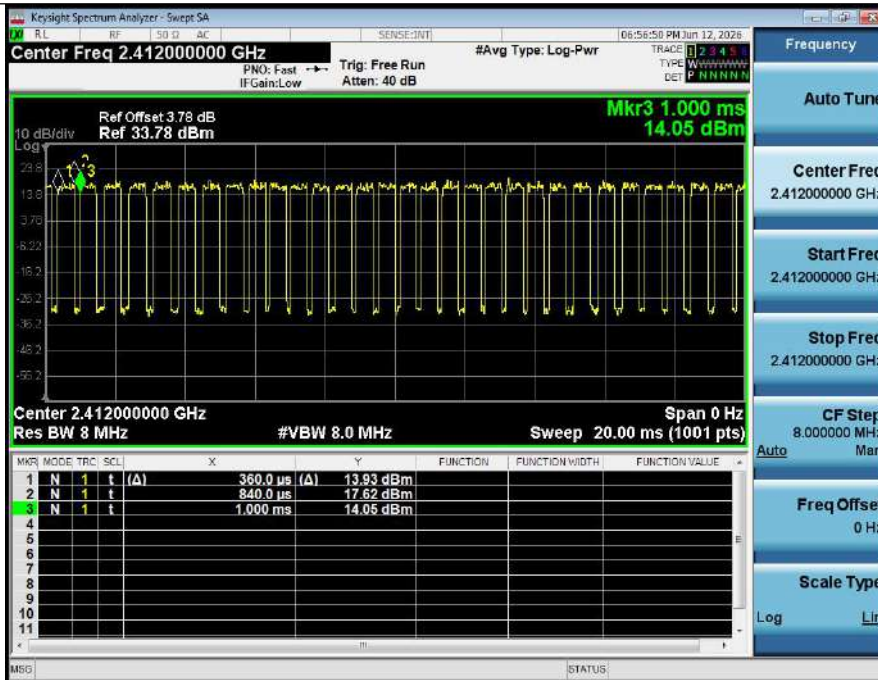
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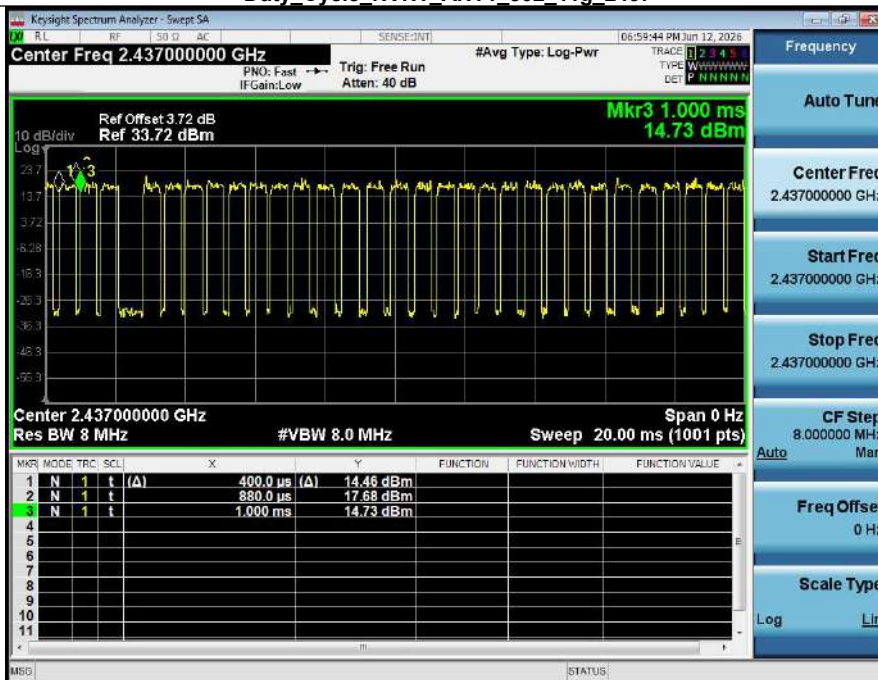
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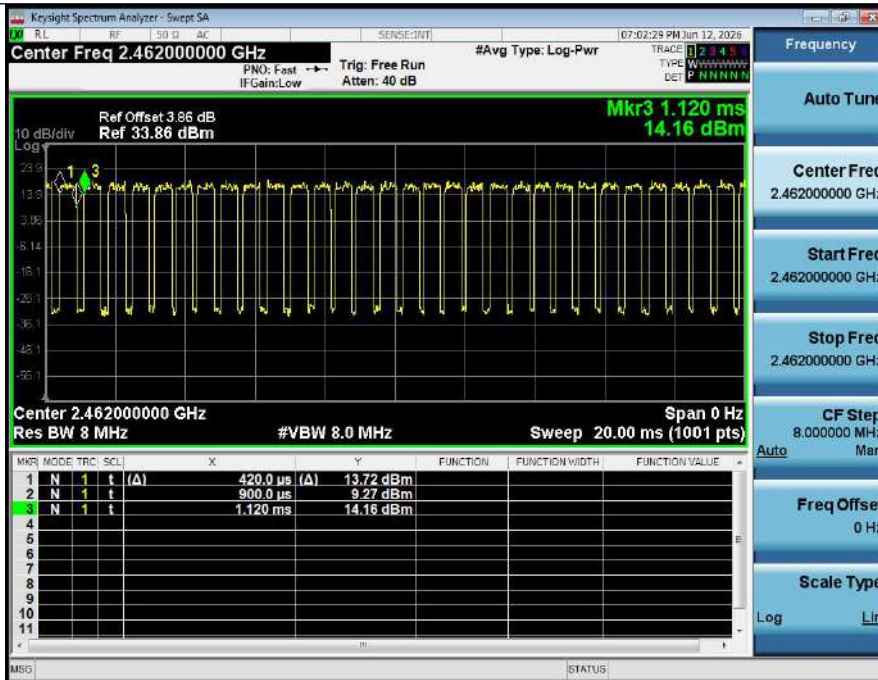
Duty_Cycle_NVNT_ANT1_802_11g_2412



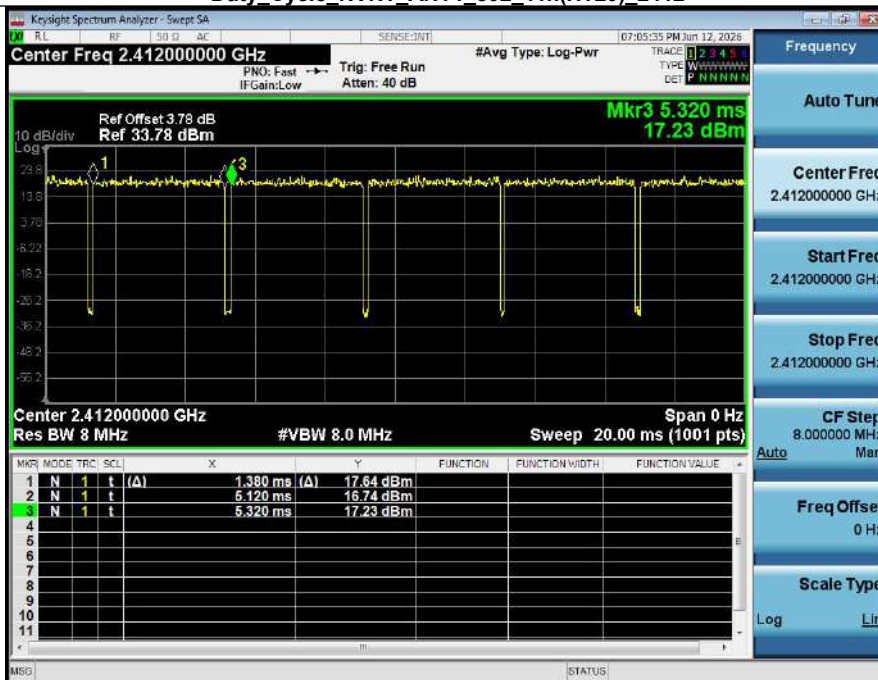
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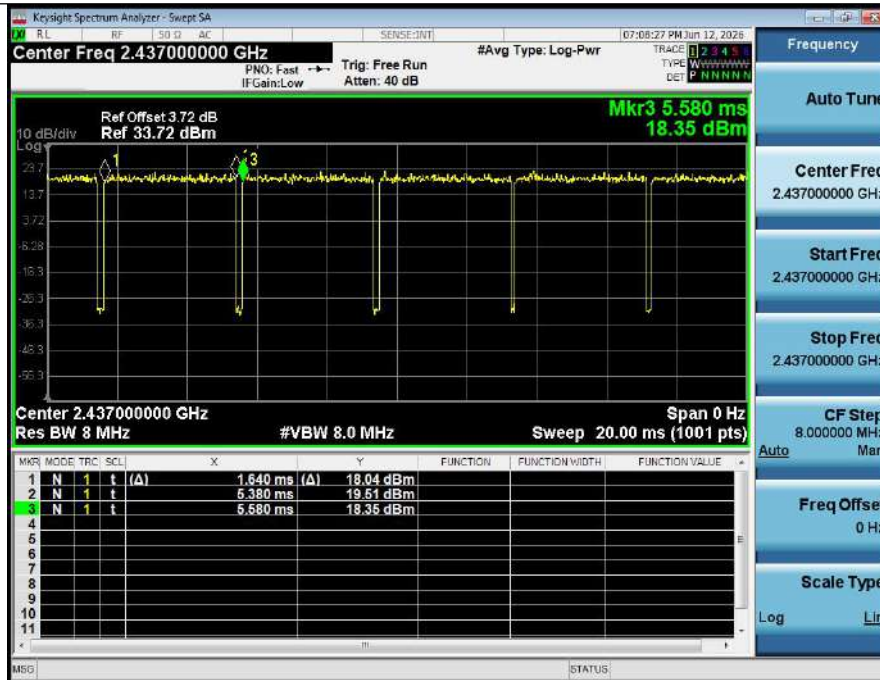
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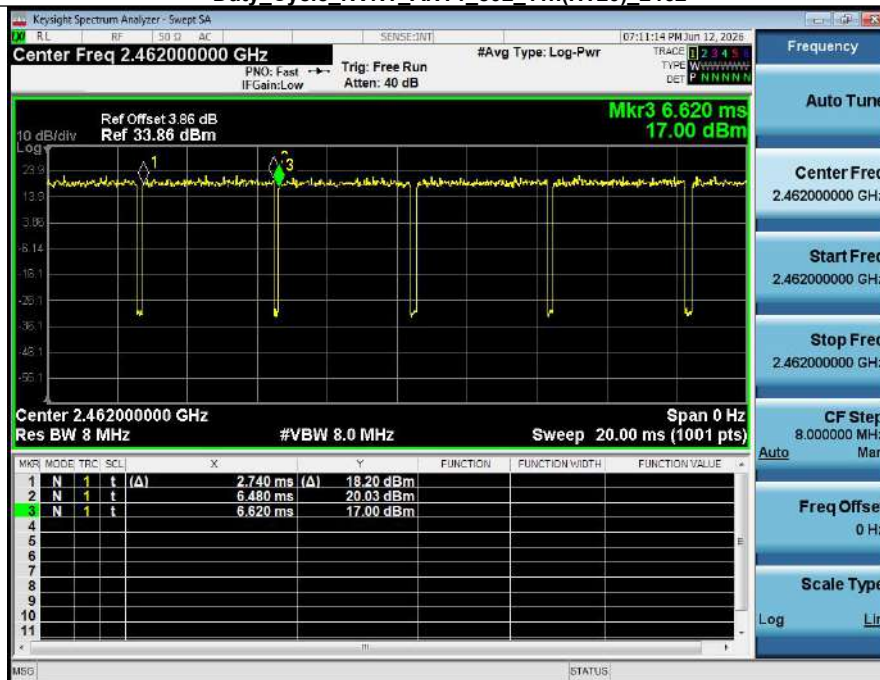
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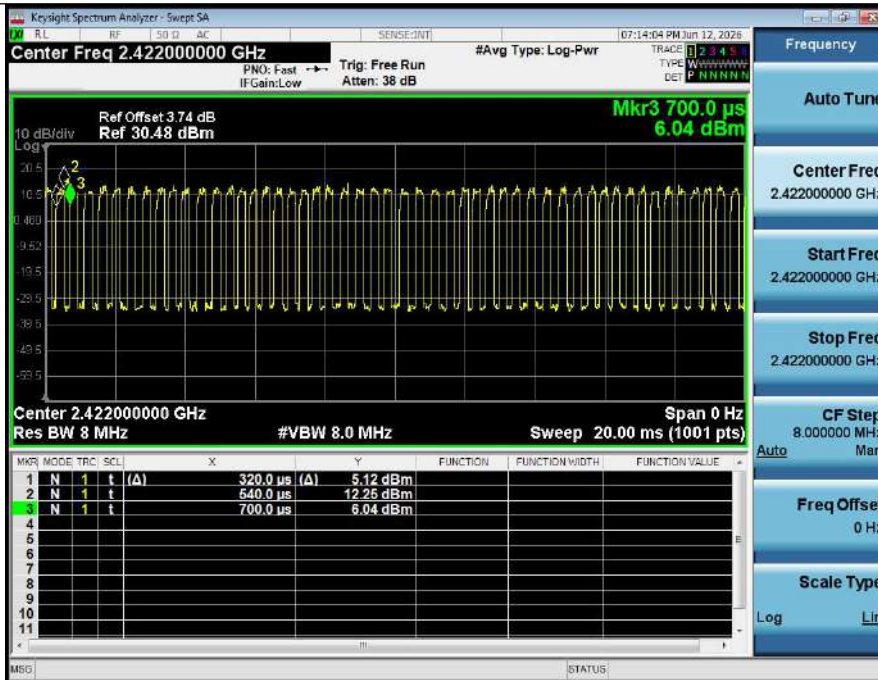
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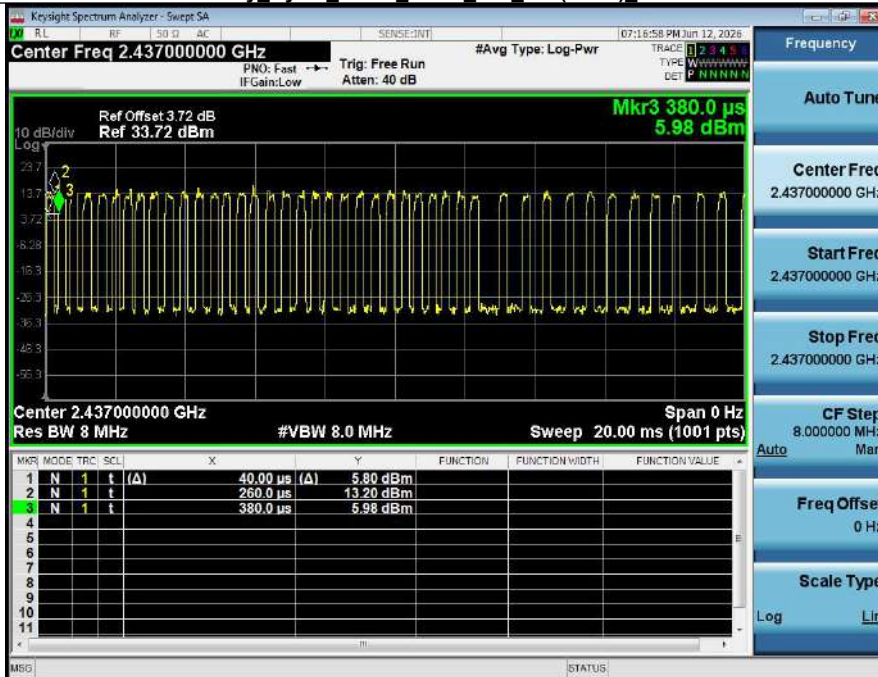
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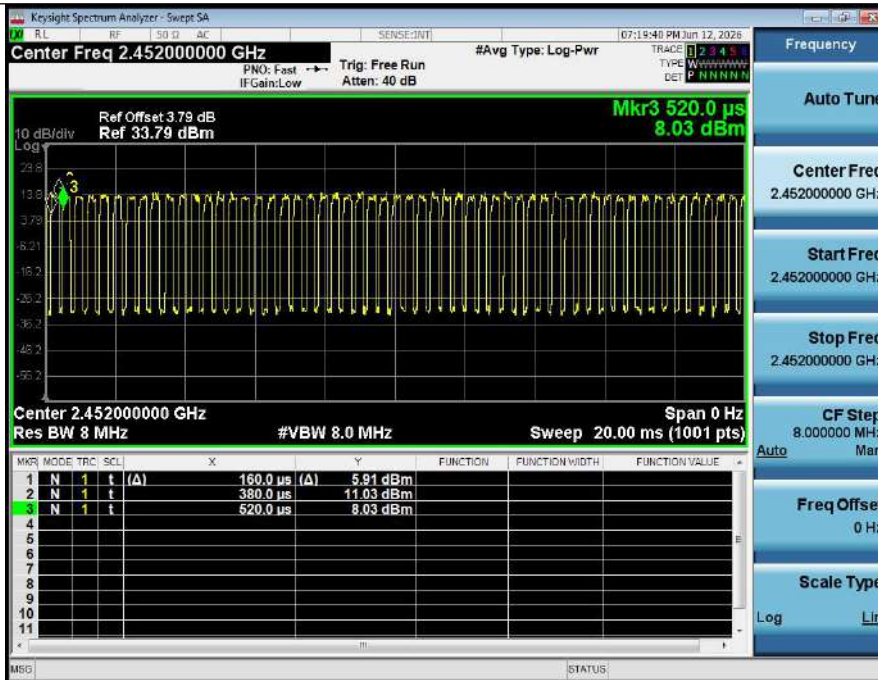
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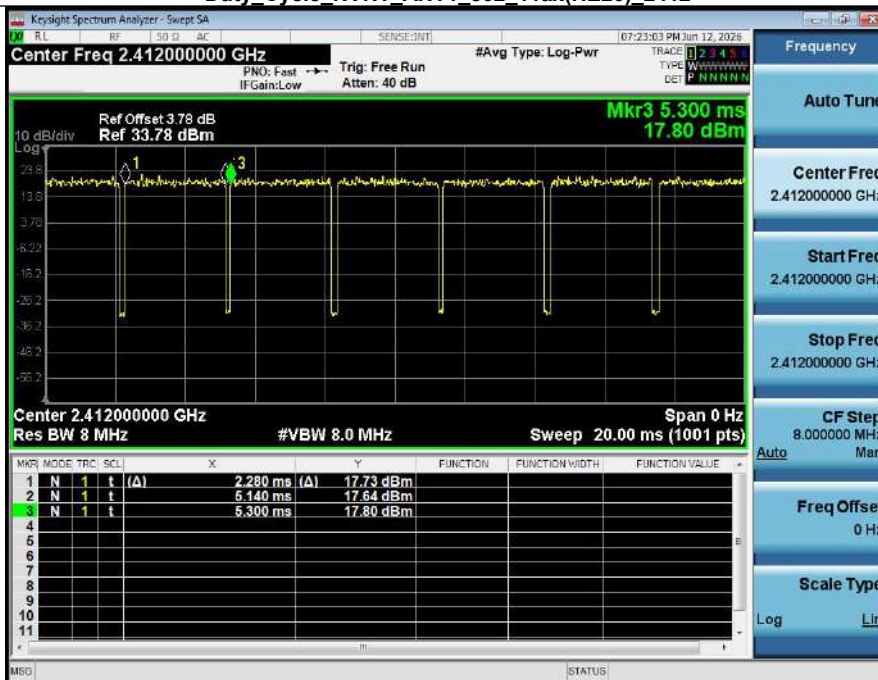
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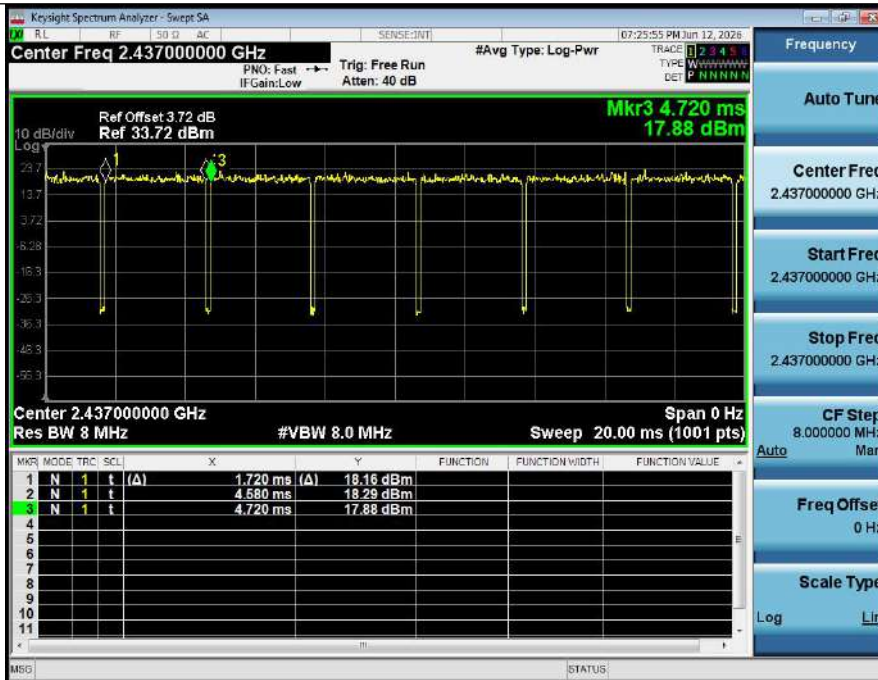
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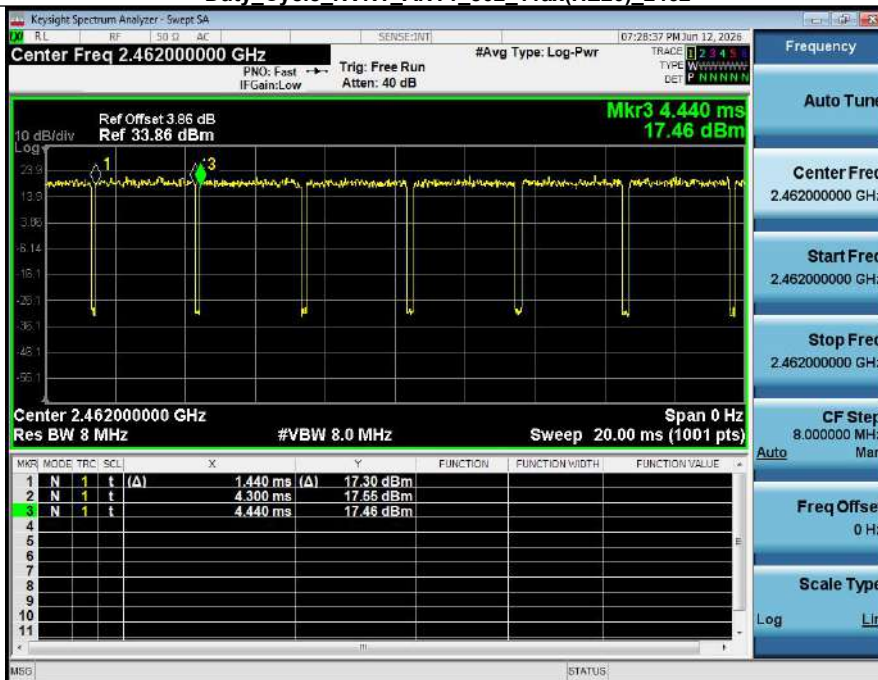
Duty Cycle_NVNT_ANT1_802_11ax(HE20)_2412



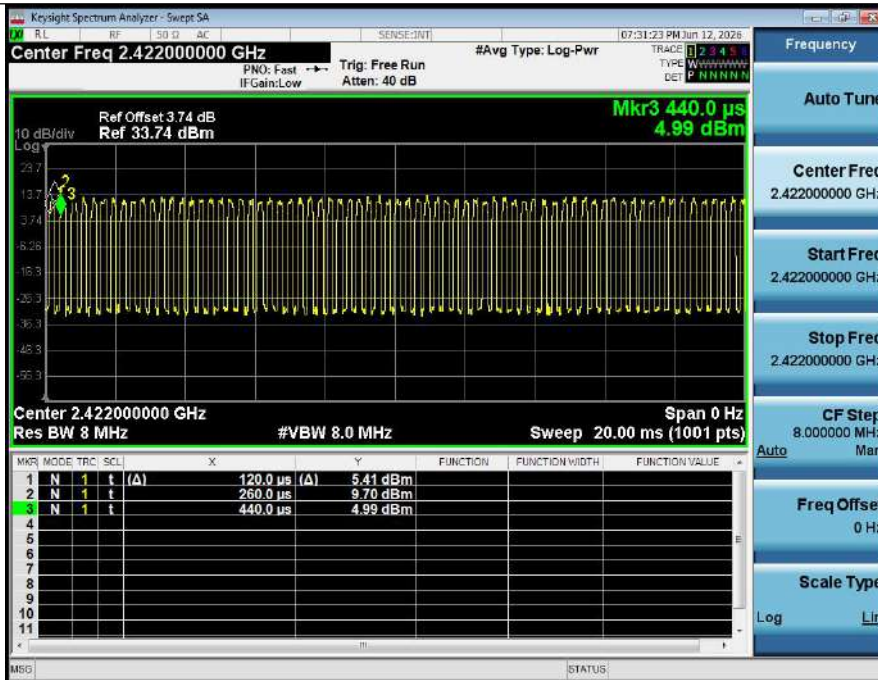
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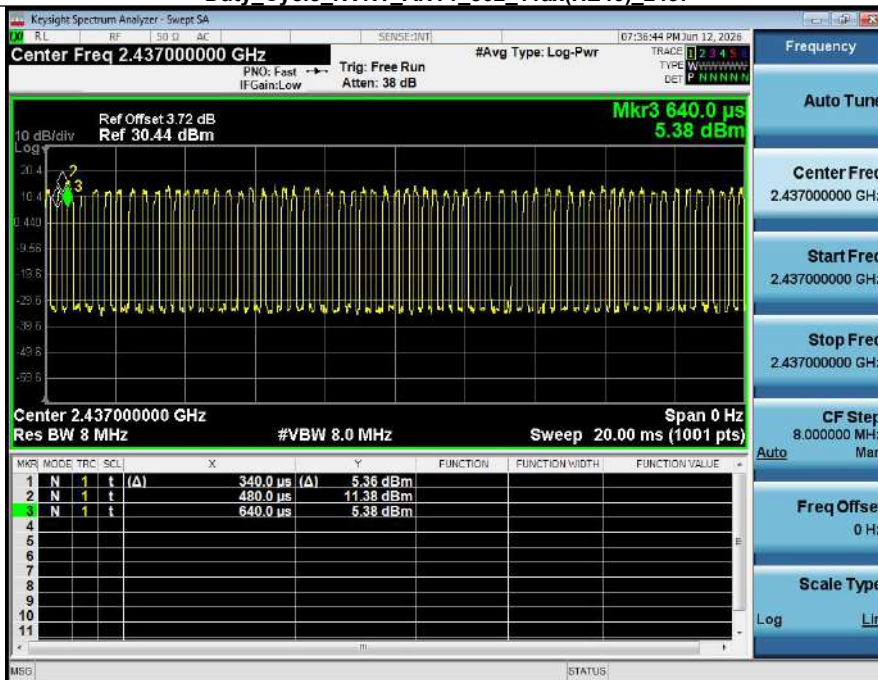
Duty Cycle_NVNT_ANT1_802_11ax(HE20)_2462



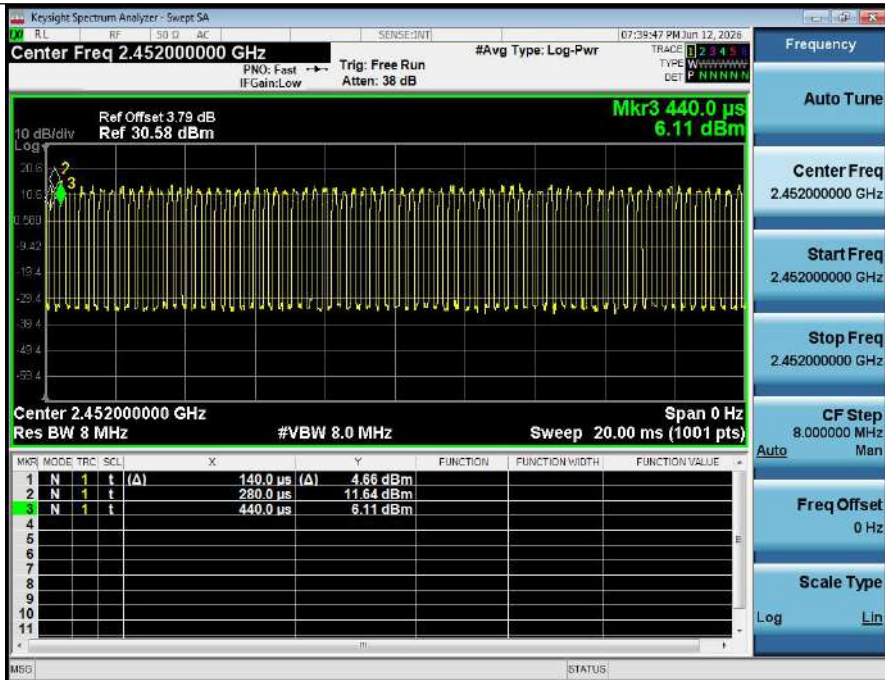
Duty Cycle_NVNT_ANT1_802_11ax(HE40)_2422



Duty Cycle_NVNT_ANT1_802_11ax(HE40)_2437



Duty Cycle_NVNT_ANT1_802_11ax(HE40)_2452



4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	22.98	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	22.99	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	22.34	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	19.42	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	20.35	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	19.82	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	22.11	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	22.74	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	22.05	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	18.00	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	18.99	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	18.76	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	23.49	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	24.26	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	23.59	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	17.60	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	18.46	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	18.27	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	2.63	8	Pass
NVNT	ANT1	802.11b	2437.00	3.82	8	Pass
NVNT	ANT1	802.11b	2462.00	2.56	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.76	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.03	8	Pass
NVNT	ANT1	802.11g	2462.00	-2.70	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-0.35	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	0.58	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-0.17	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-7.13	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-5.94	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-6.34	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	0.46	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	-0.23	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	-1.23	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-7.95	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-6.70	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-7.10	8	Pass



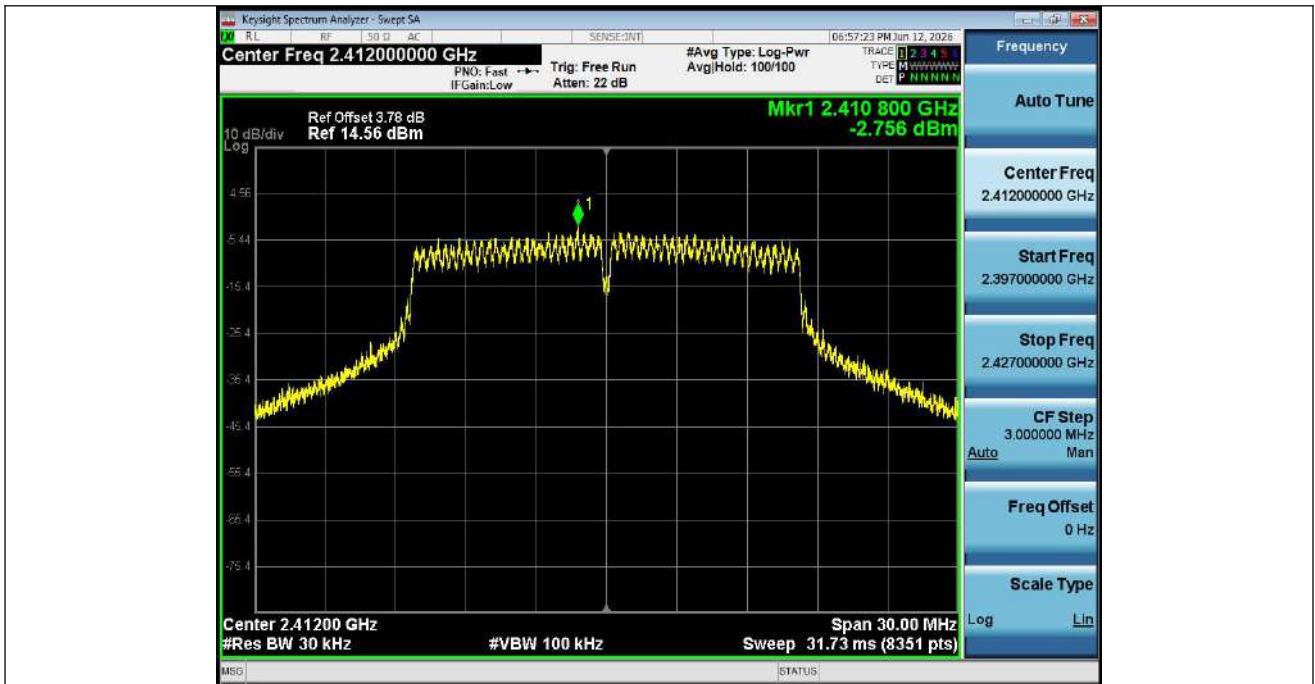
Power Spectral Density NVNT ANT1 802_11b_2437



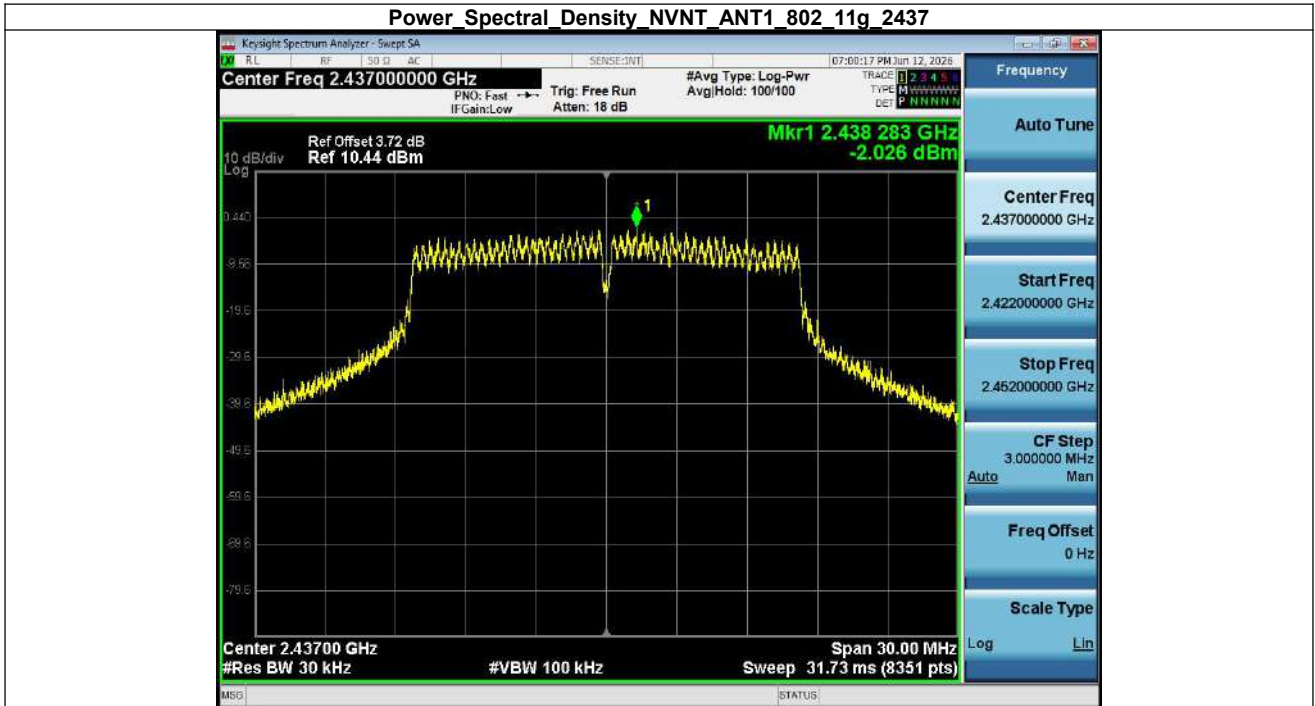
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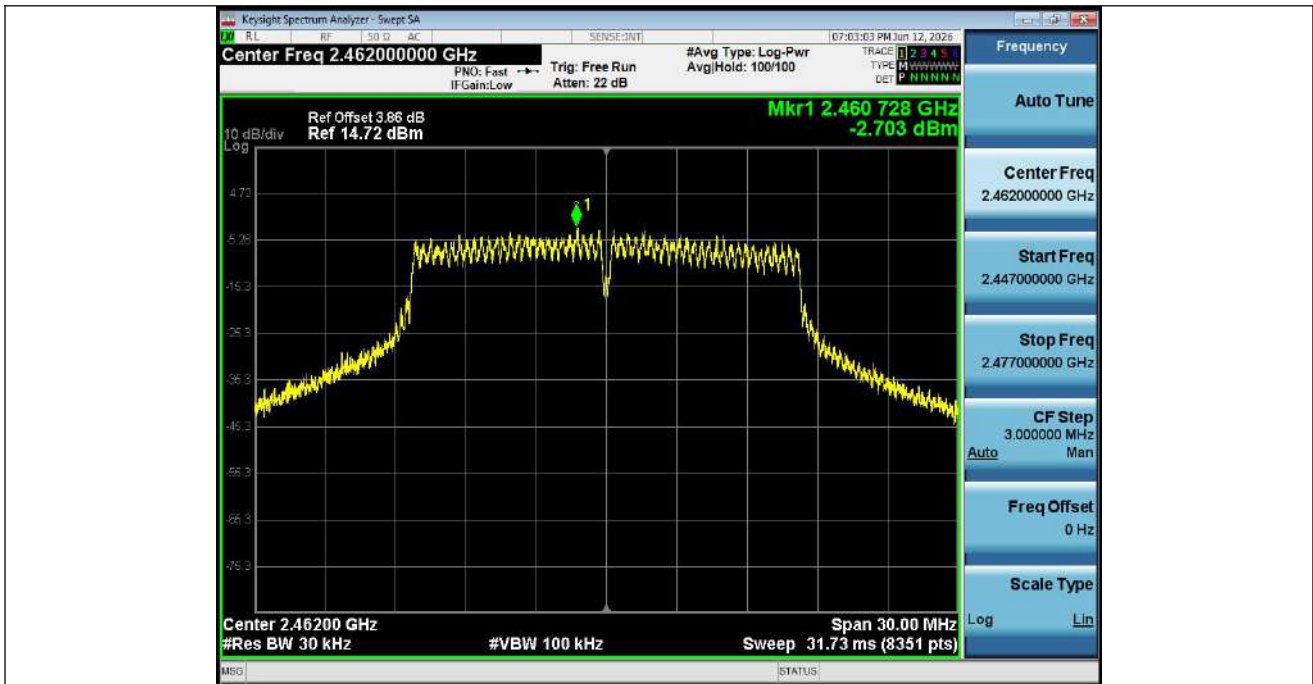
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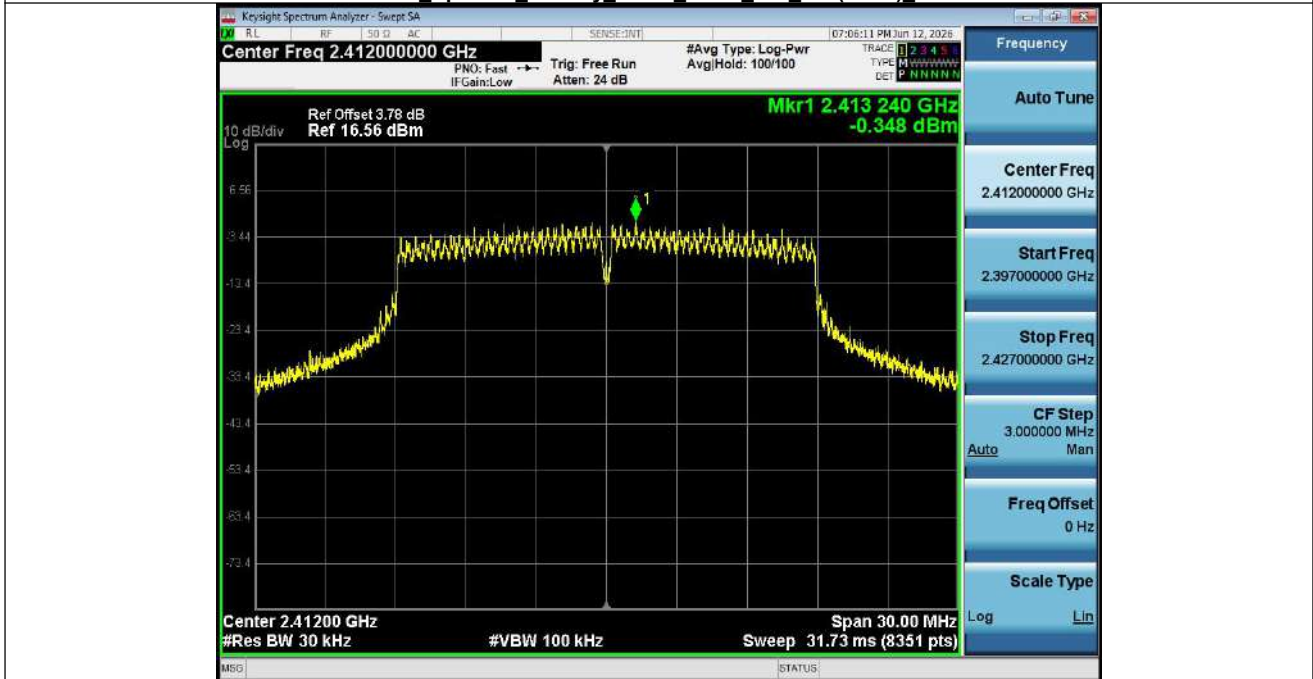
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Power_Spectral_Density_NVNT_ANT1_802_11g_2462



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422



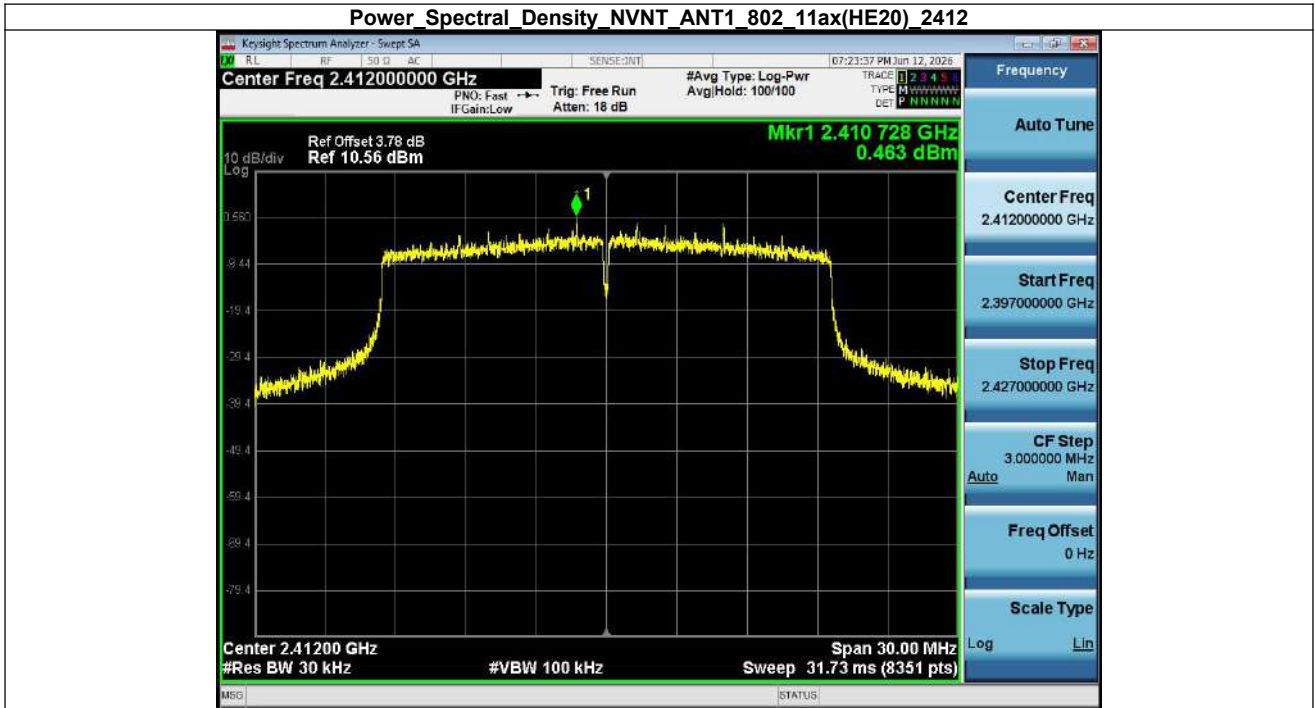
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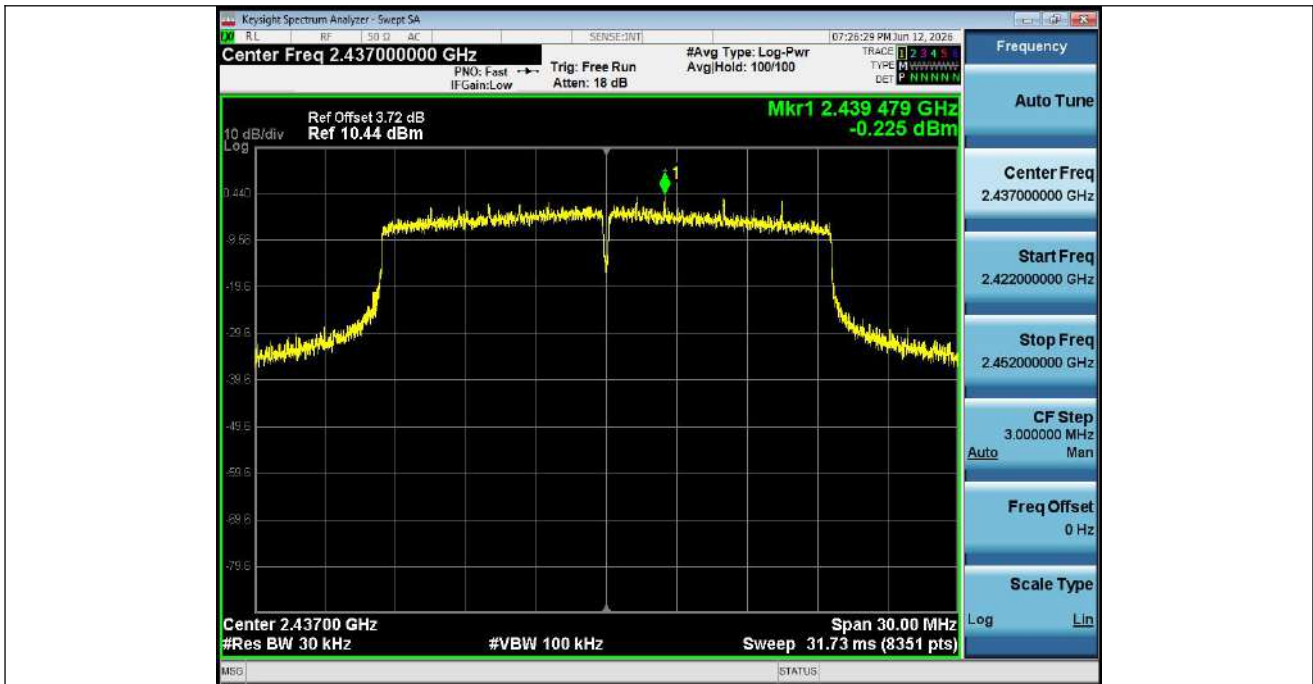
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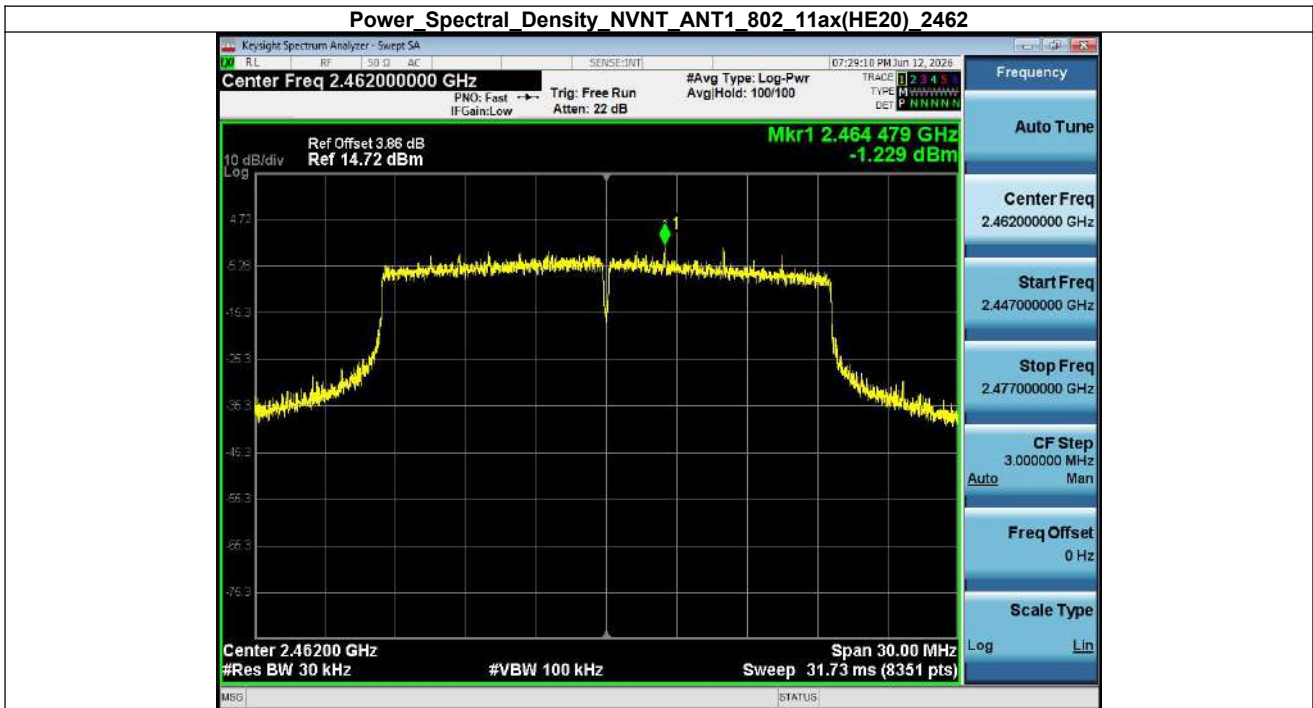
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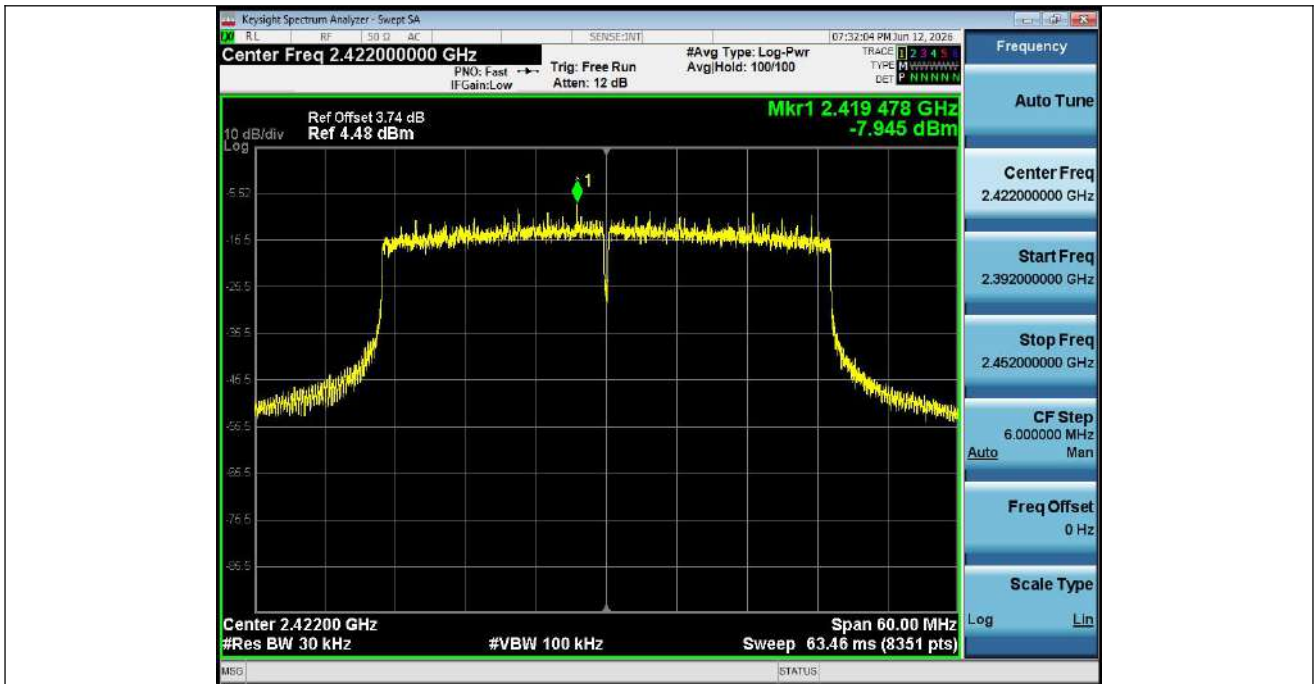
Power Spectral Density_NVNT_ANT1_802_11ax(HE20)_2437



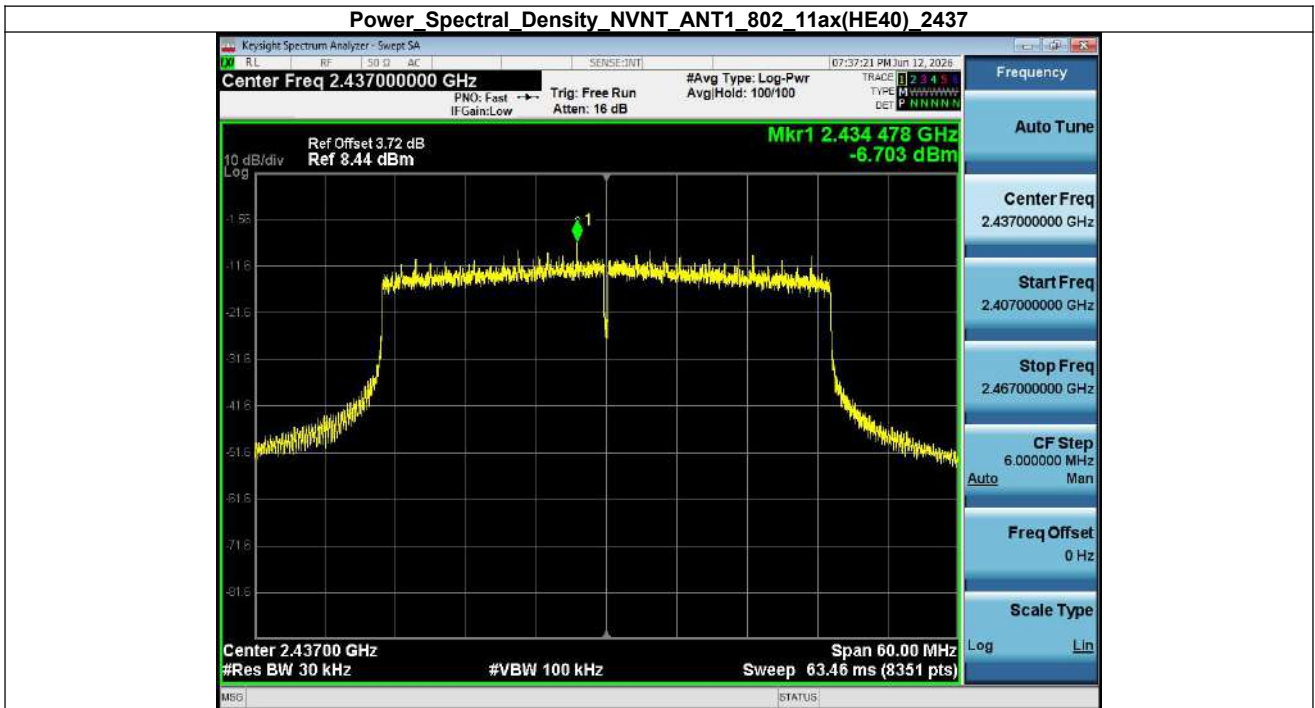
Power Spectral Density_NVNT_ANT1_802_11ax(HE20)_2462



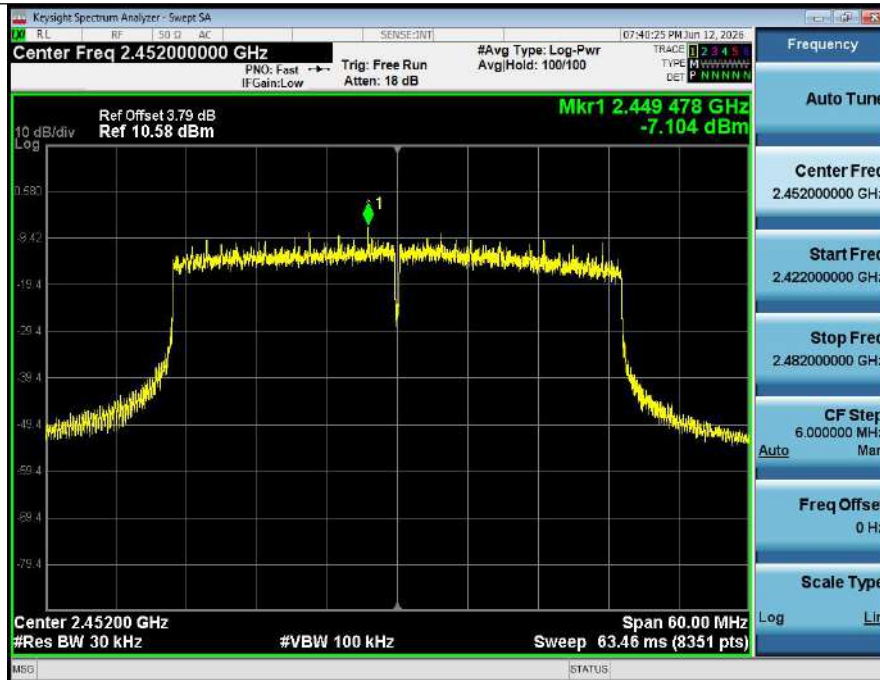
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Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2437

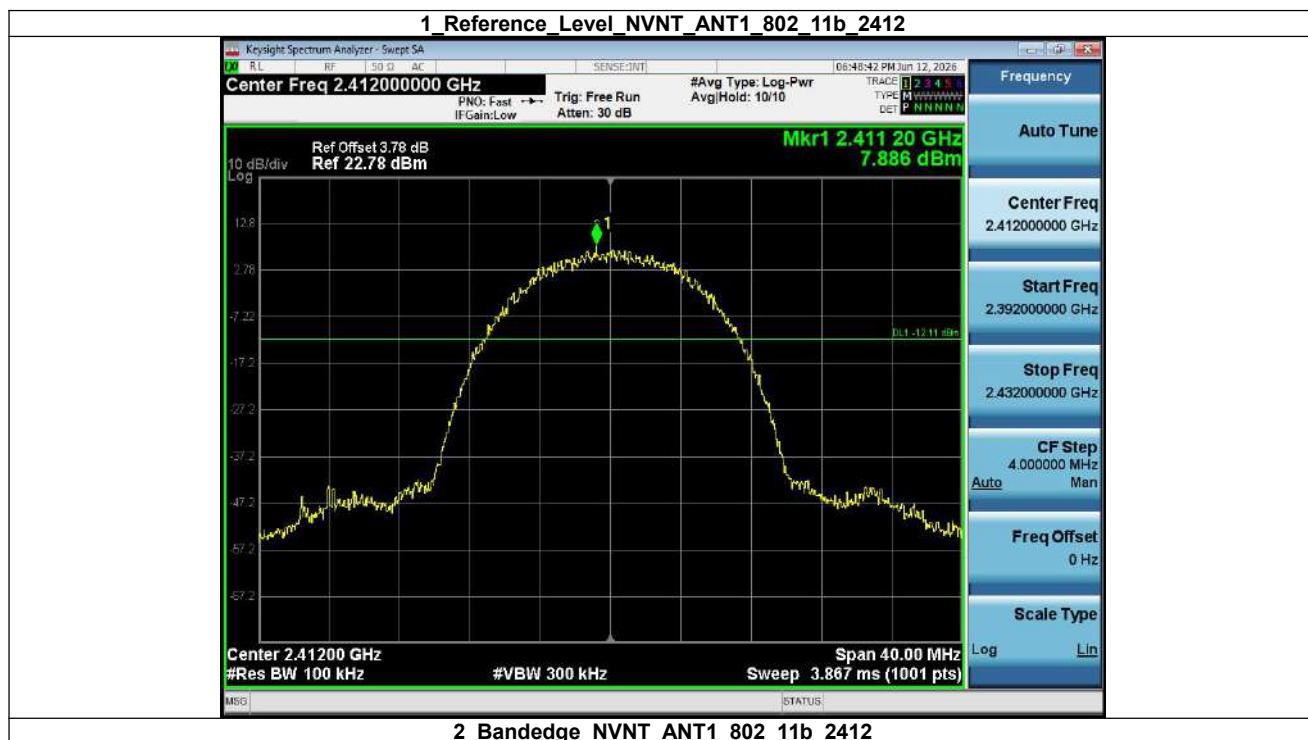


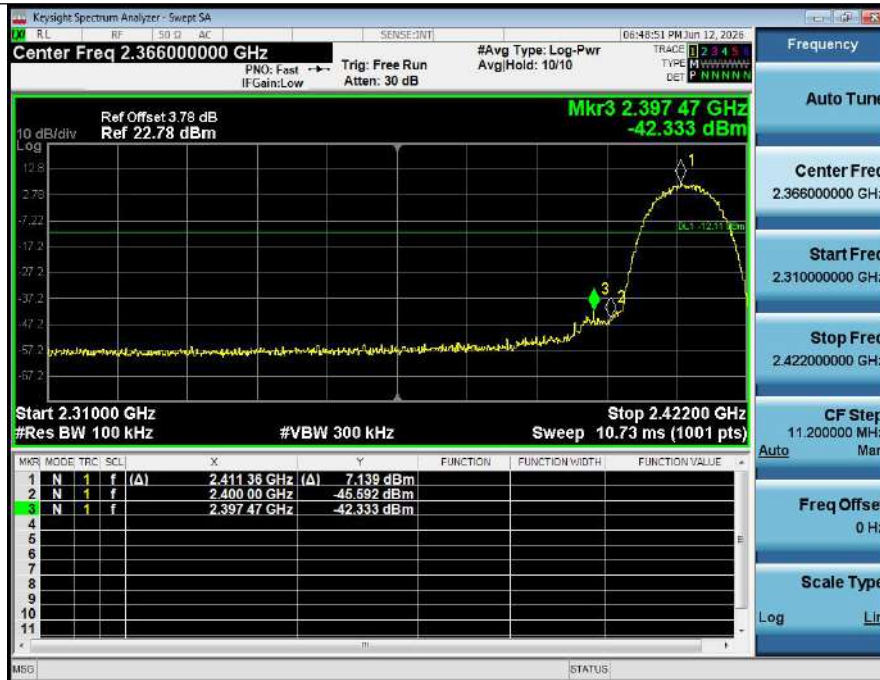
Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2452



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2397.472	7.886	-42.333	-12.114	Pass
NVNT	ANT1	802.11b	2462.00	2485.600	7.057	-52.503	-12.943	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	0.864	-30.133	-19.136	Pass
NVNT	ANT1	802.11g	2462.00	2484.928	1.596	-48.330	-18.404	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	4.376	-25.199	-15.624	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.584	4.281	-37.153	-15.719	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-3.139	-36.067	-23.139	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-2.066	-44.601	-22.066	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.040	4.157	-26.330	-15.843	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2483.872	3.582	-36.434	-16.418	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.892	-3.906	-35.762	-23.906	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2483.680	-3.098	-43.378	-23.098	Pass





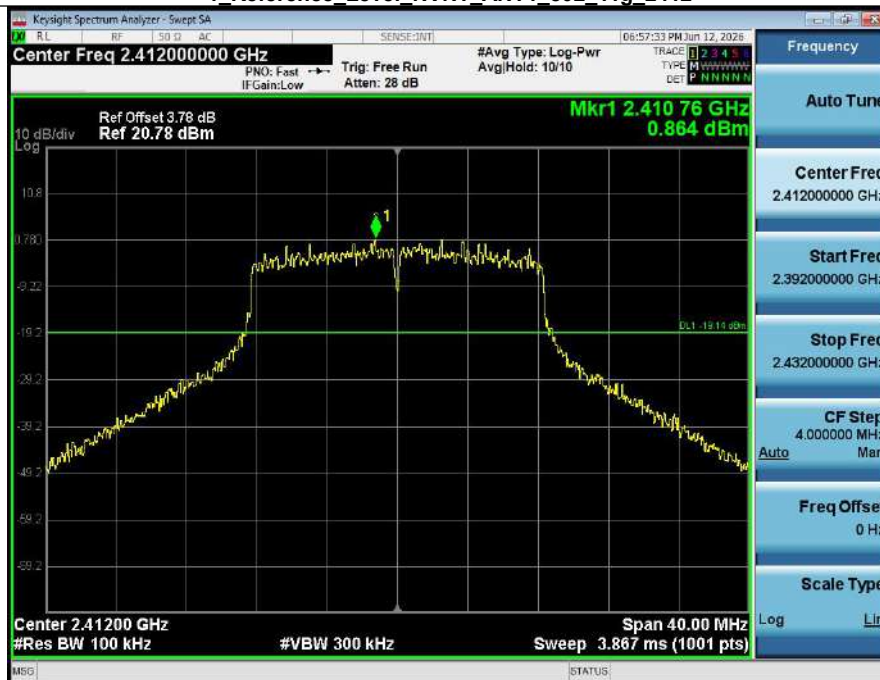
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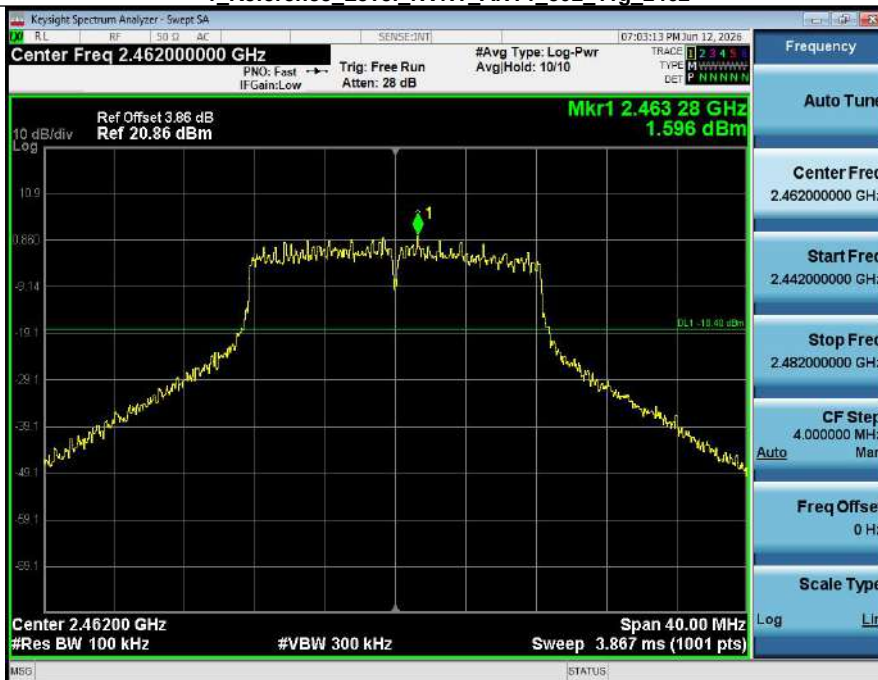
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2_Bandedge_NVNT_ANT1_802_11g_2412



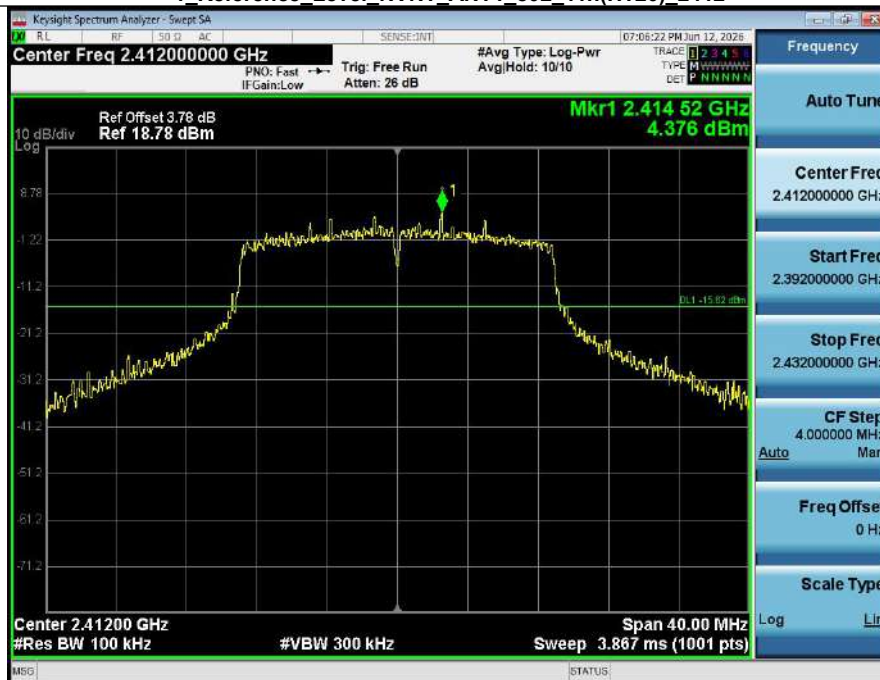
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2_Bandedge_NVNT_ANT1_802_11g_2462



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2 Bandedge NVNT_ANT1_802_11n(HT20)_2412



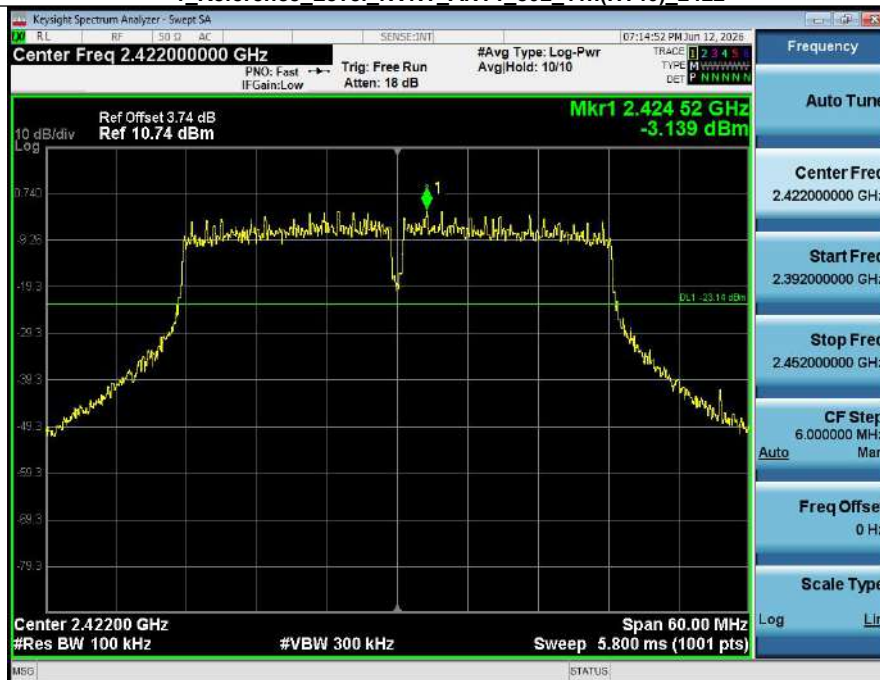
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2 Bandedge NVNT_ANT1_802_11n(HT20)_2462



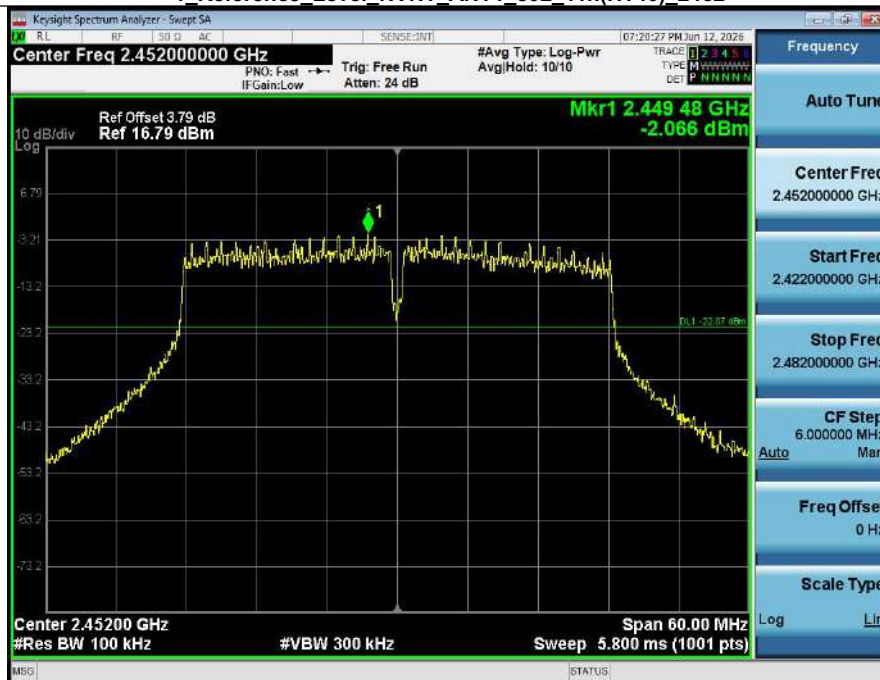
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge NVNT_ANT1_802_11n(HT40)_2422



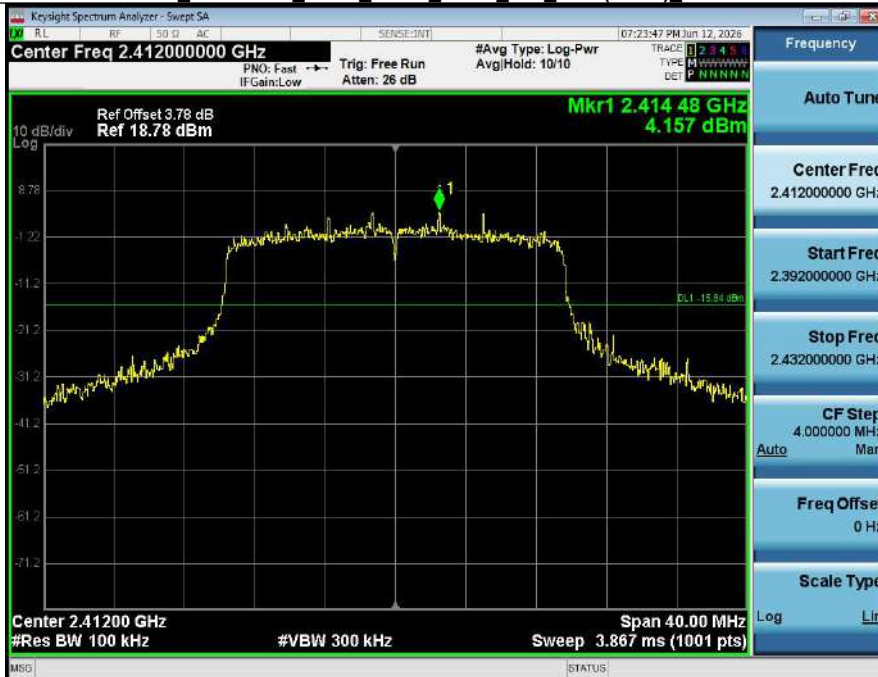
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2 Bandedge NVNT_ANT1_802_11n(HT40)_2452



1 Reference Level NVNT ANT1_802_11ax(HE20)_2412



2 Bandedge NVNT ANT1_802_11ax(HE20)_2412



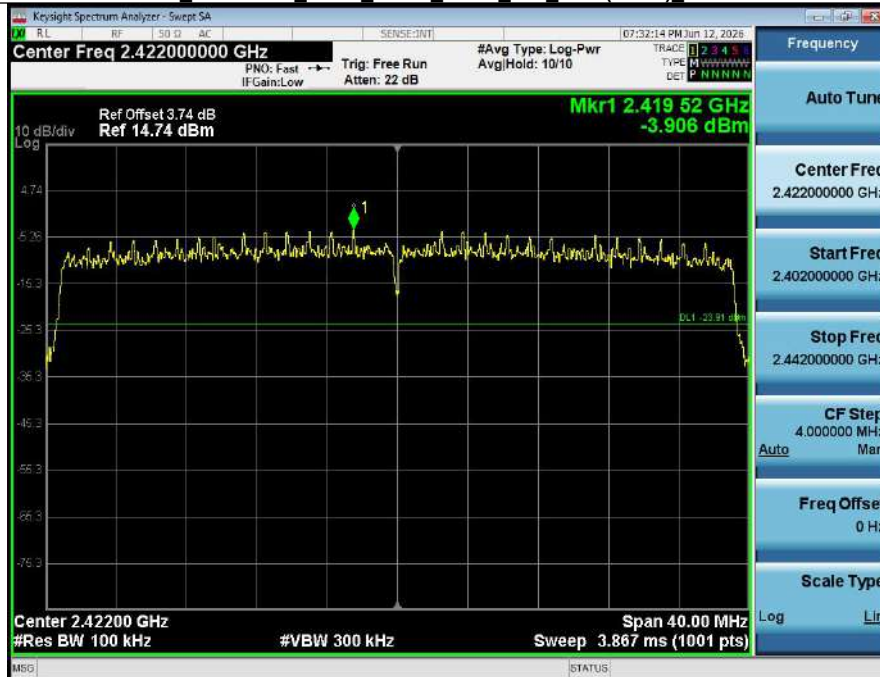
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2 Bandedge NVNT ANT1_802_11ax(HE20)_2462



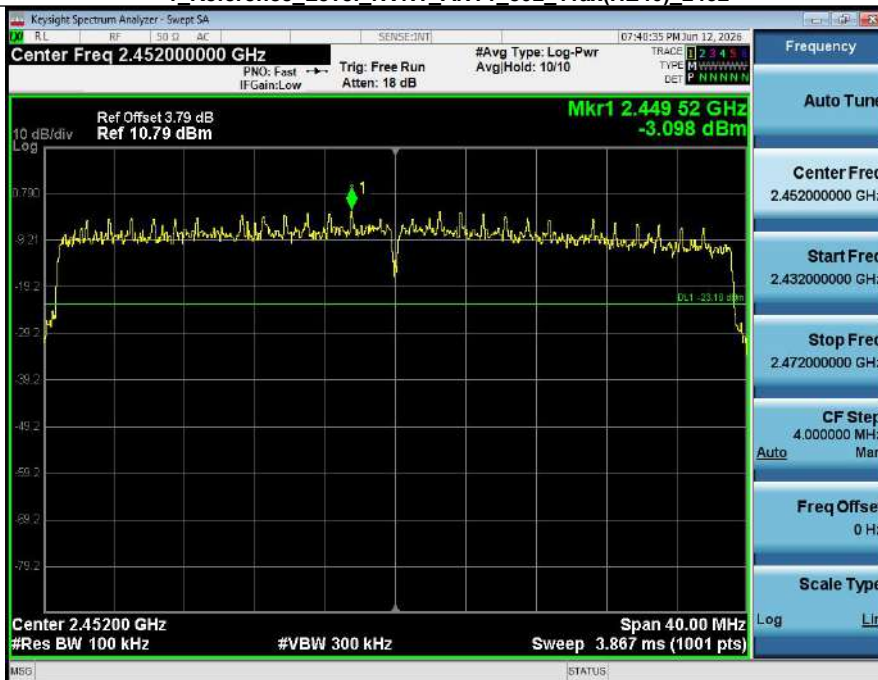
1 Reference Level NVNT ANT1_802_11ax(HE40)_2422



2 Bandedge NVNT ANT1_802_11ax(HE40)_2422



1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2452



2_Bandedge_NVNT_ANT1_802_11ax(HE40)_2452



7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	4824.240	7.886	-41.835	-12.114	Pass
NVNT	ANT1	802.11b	2437.00	4874.180	7.649	-37.191	-12.351	Pass
NVNT	ANT1	802.11b	2462.00	4924.120	7.057	-36.353	-12.943	Pass
NVNT	ANT1	802.11g	2412.00	24952.557	0.864	-43.973	-19.136	Pass
NVNT	ANT1	802.11g	2437.00	24957.551	2.307	-44.177	-17.693	Pass
NVNT	ANT1	802.11g	2462.00	24448.163	1.596	-43.901	-18.404	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	4824.240	4.376	-44.383	-15.624	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24930.084	5.275	-46.042	-14.725	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	4924.120	4.281	-44.316	-15.719	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24982.521	-3.139	-53.023	-23.139	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24947.563	-1.762	-50.989	-21.762	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24525.570	-2.066	-48.136	-22.066	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24937.575	4.157	-46.271	-15.843	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	4874.180	4.727	-45.386	-15.273	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	4921.623	3.582	-40.997	-16.418	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24990.012	-3.906	-50.219	-23.906	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	24610.468	-2.950	-47.385	-22.950	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	4904.144	-3.098	-51.080	-23.098	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



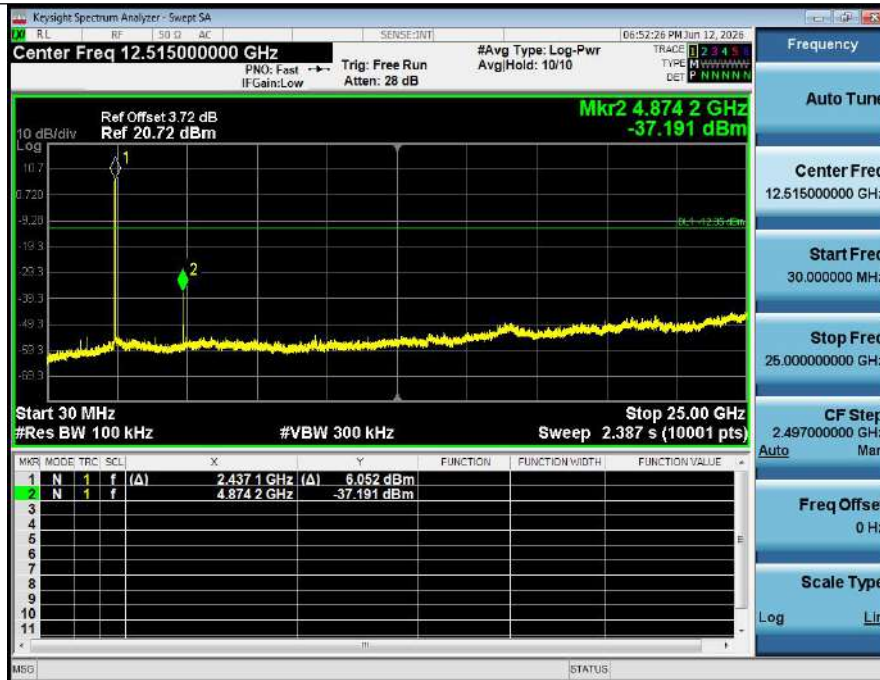
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1 Reference Level NVNT_ANT1_802_11b_2437



2 Spurious Emission NVNT_ANT1_802_11b_2437



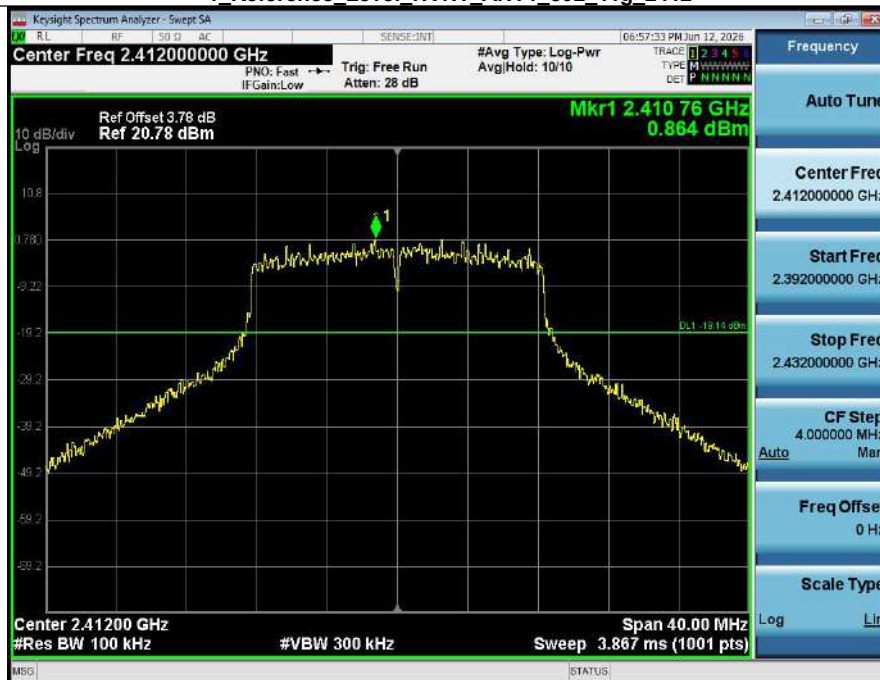
1 Reference Level NVNT_ANT1_802_11b_2462



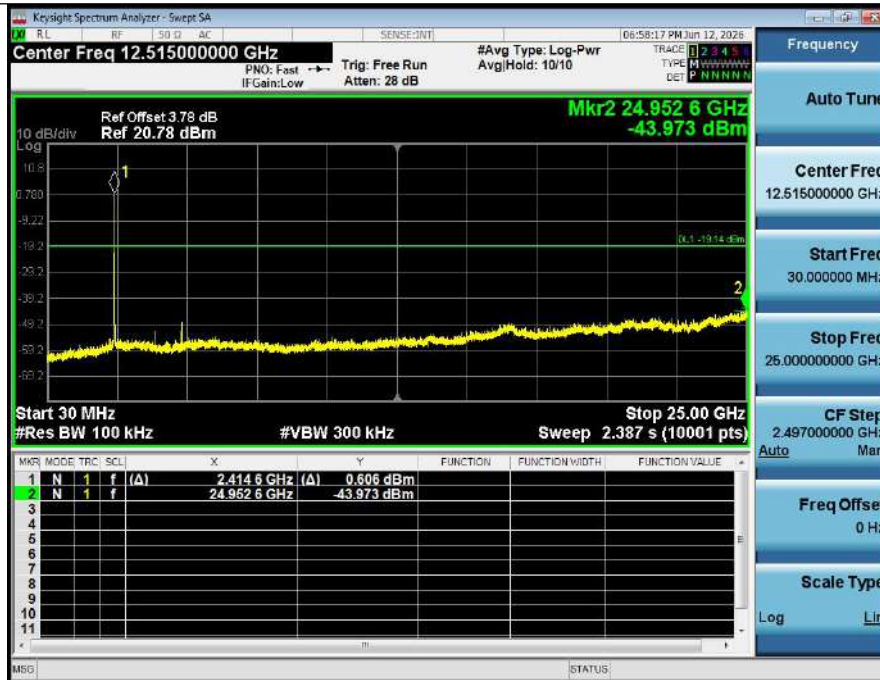
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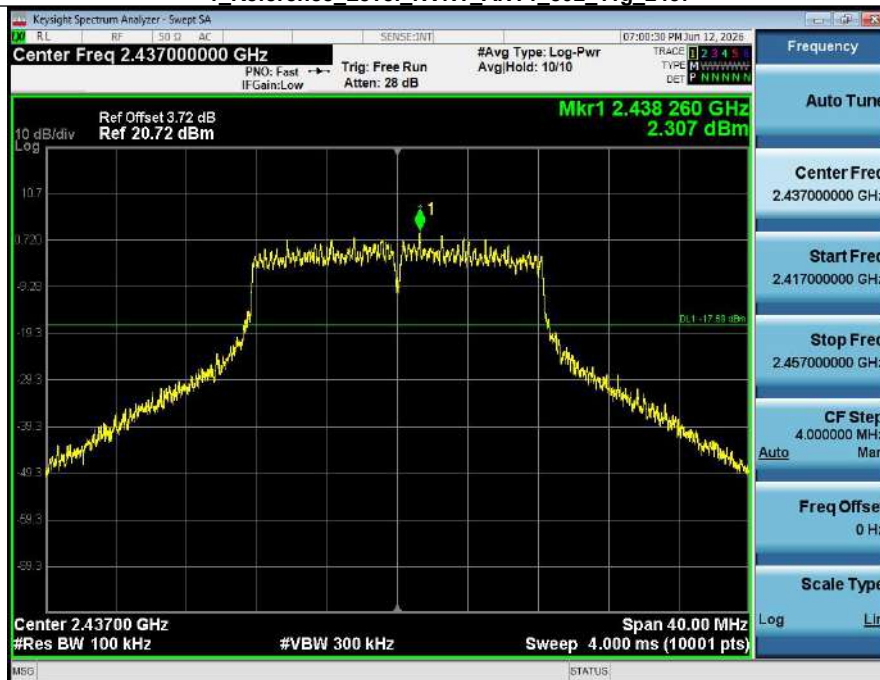
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2 Spurious Emission NVNT_ANT1_802_11g_2412



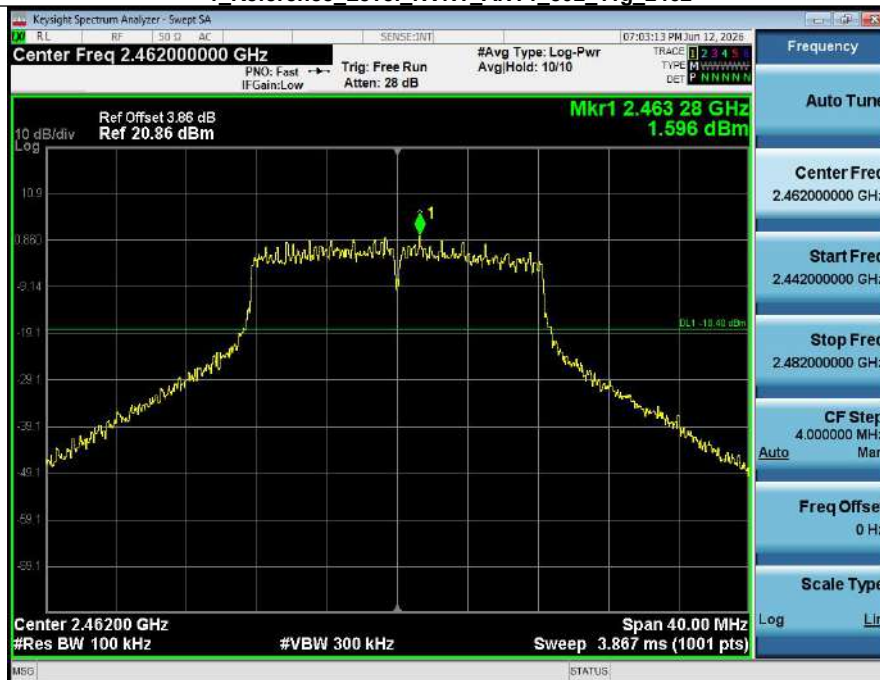
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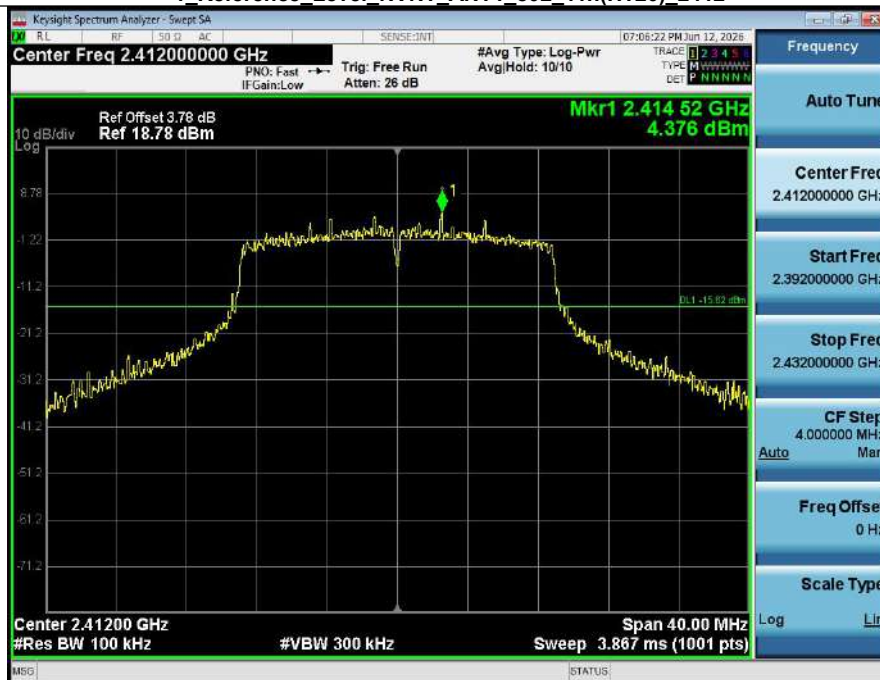
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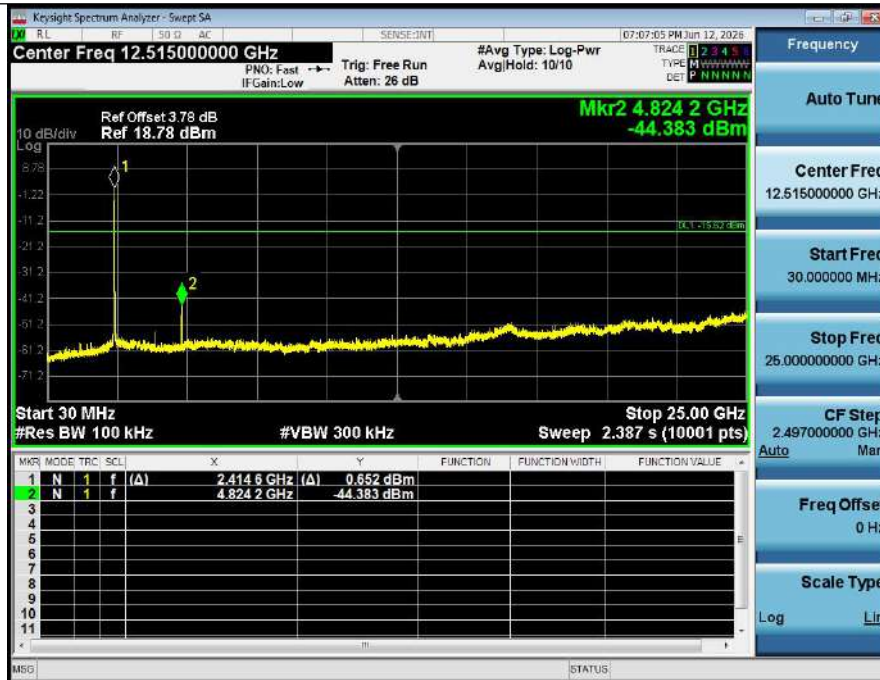
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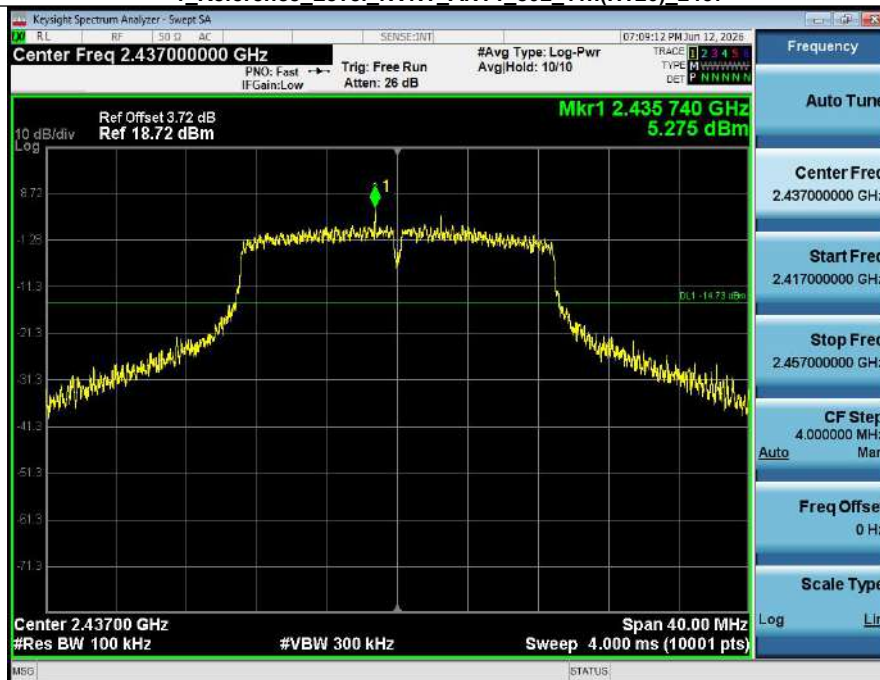
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2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2412



1 Reference Level NVNT ANT1_802_11n(HT20)_2437



2 Spurious Emission NVNT ANT1_802_11n(HT20)_2437



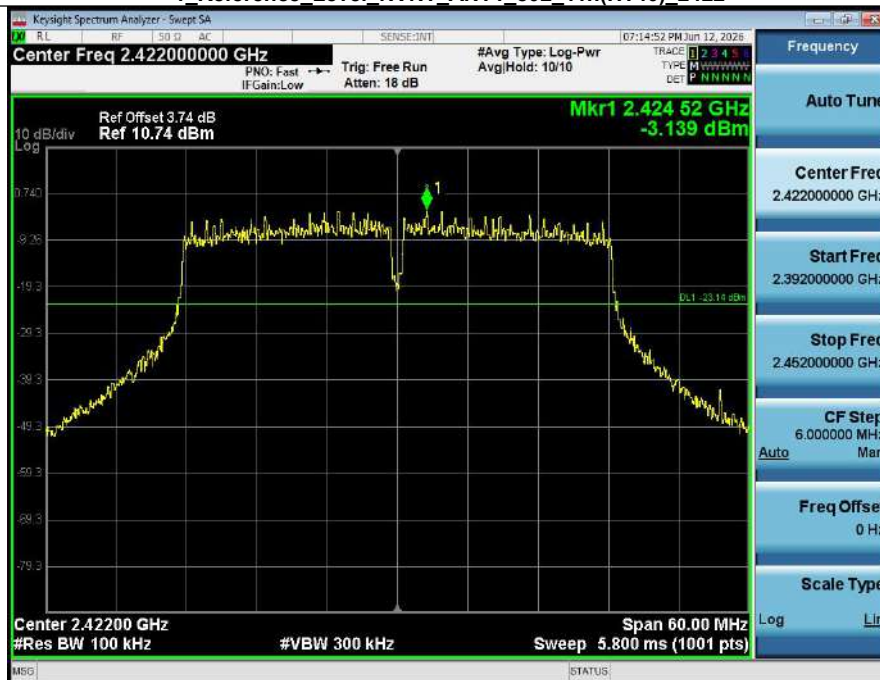
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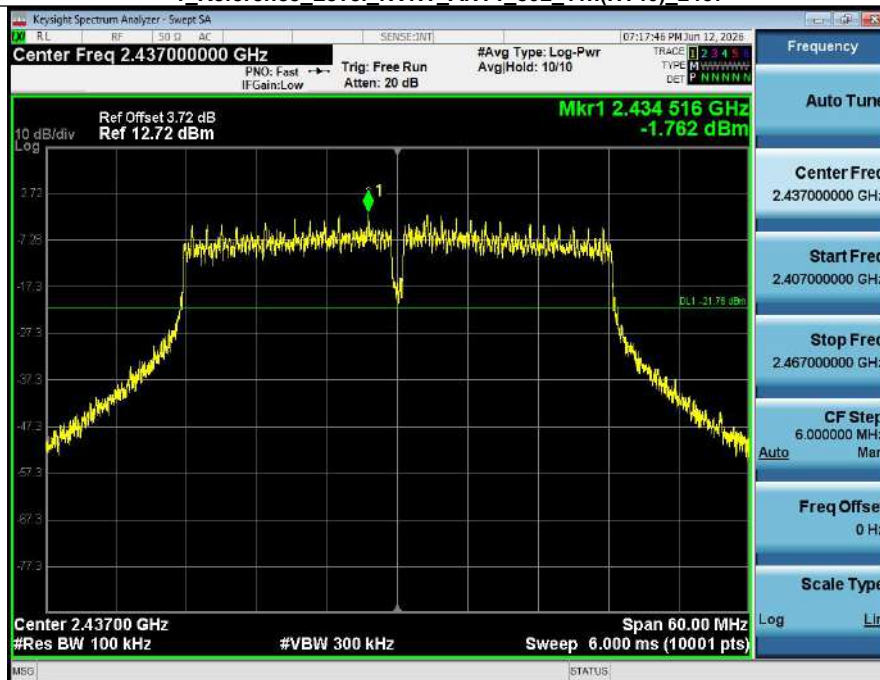
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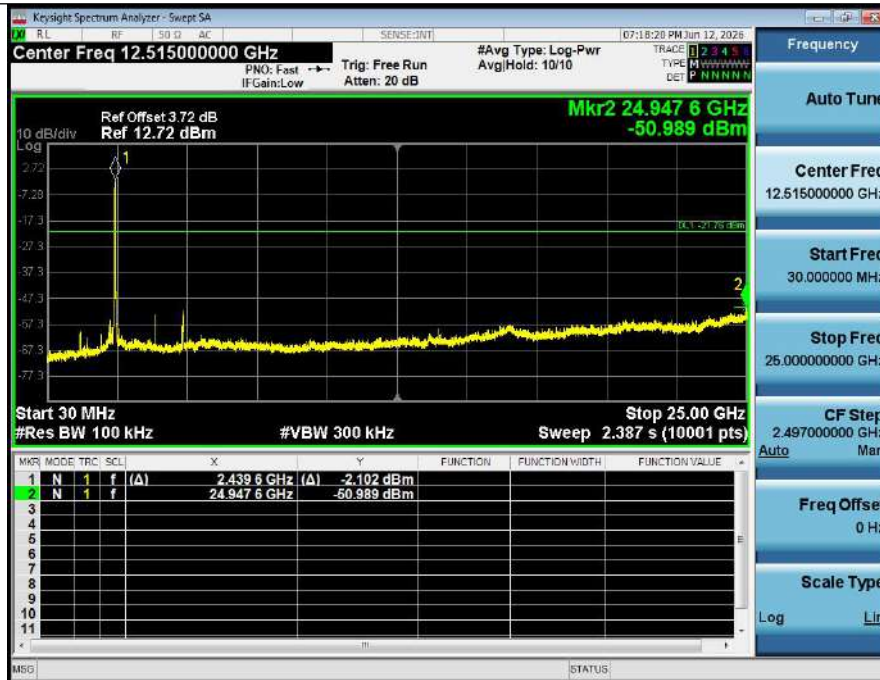
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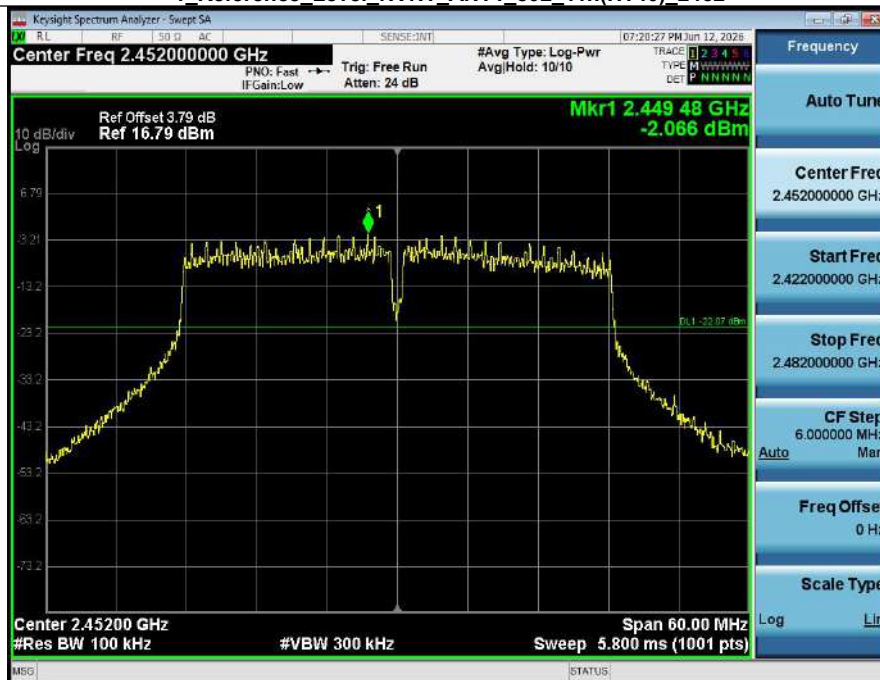
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2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2437



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2452



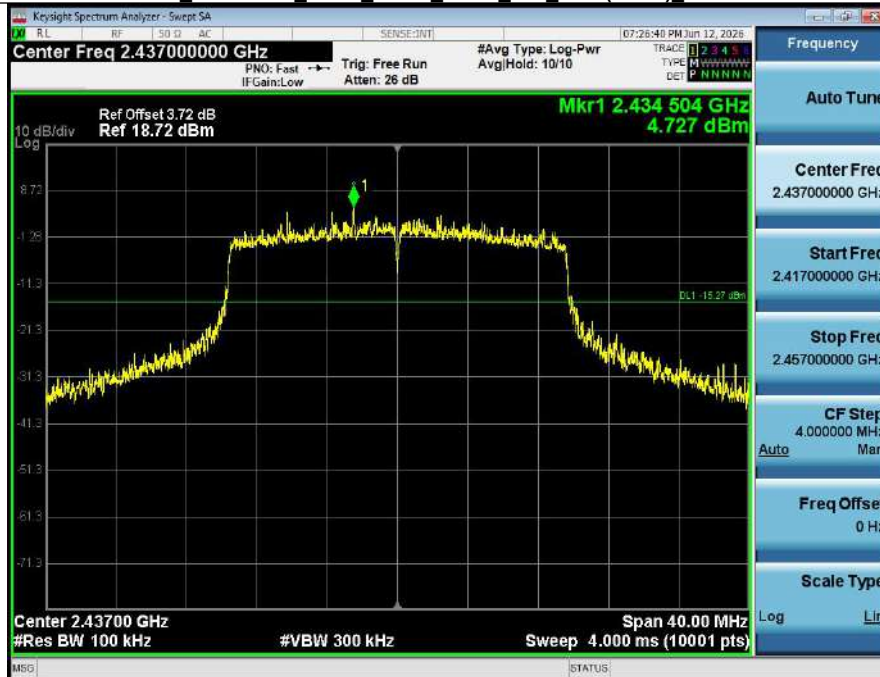
1 Reference Level NVNT ANT1_802_11ax(HE20)_2412



2 Spurious Emission NVNT ANT1_802_11ax(HE20)_2412



1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2437



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2437



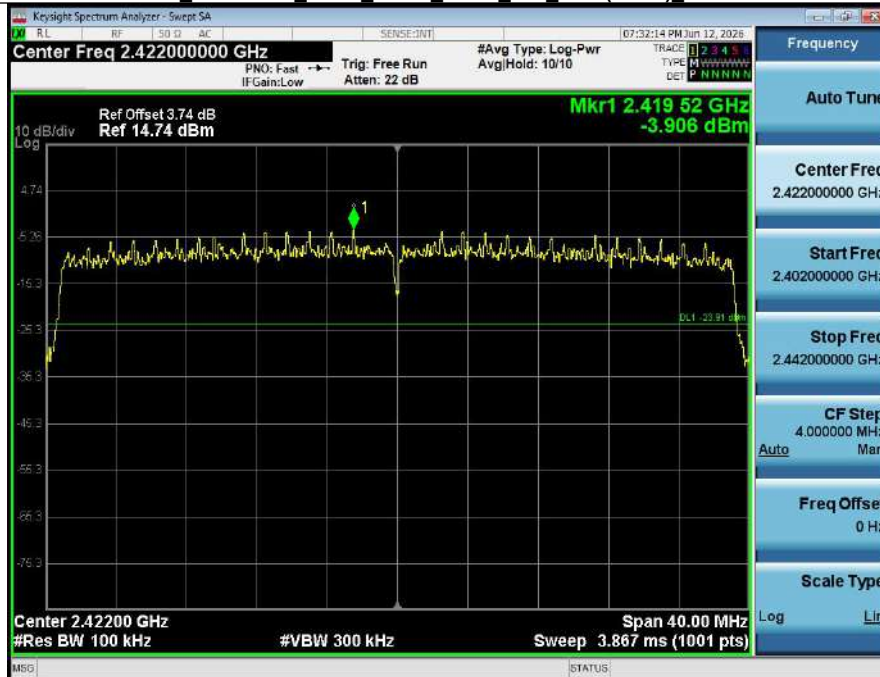
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2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2462



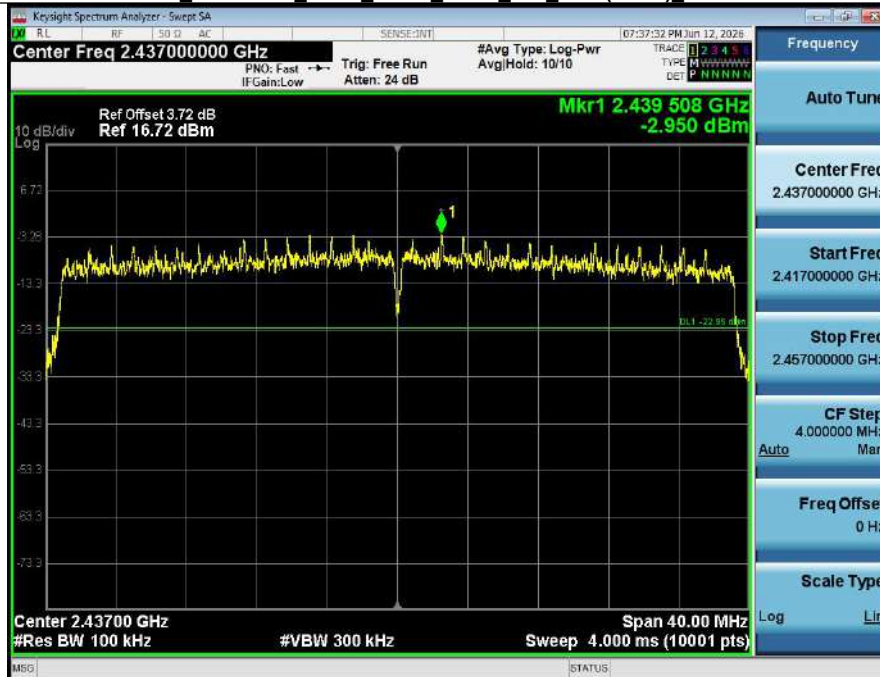
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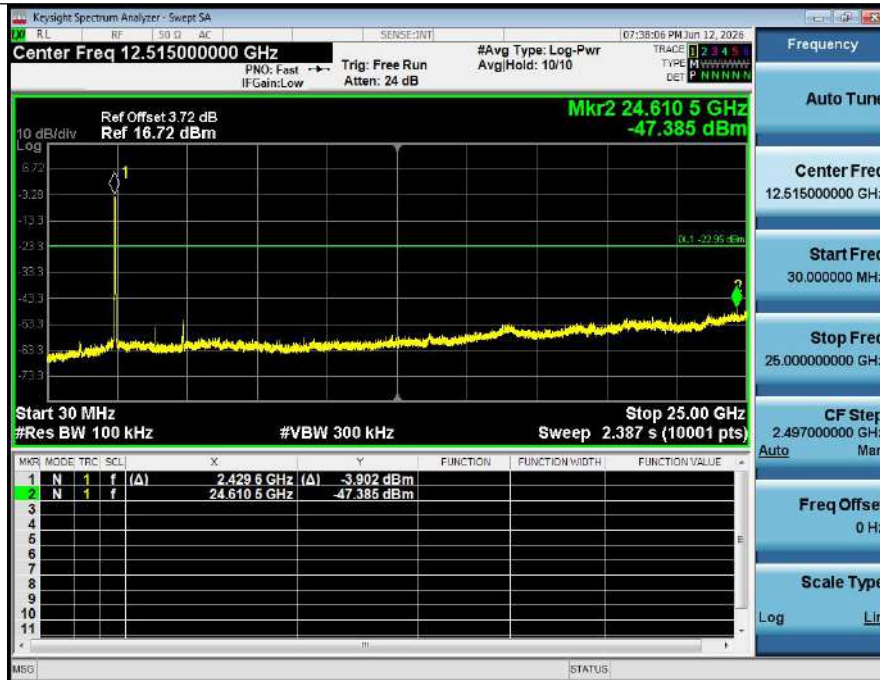
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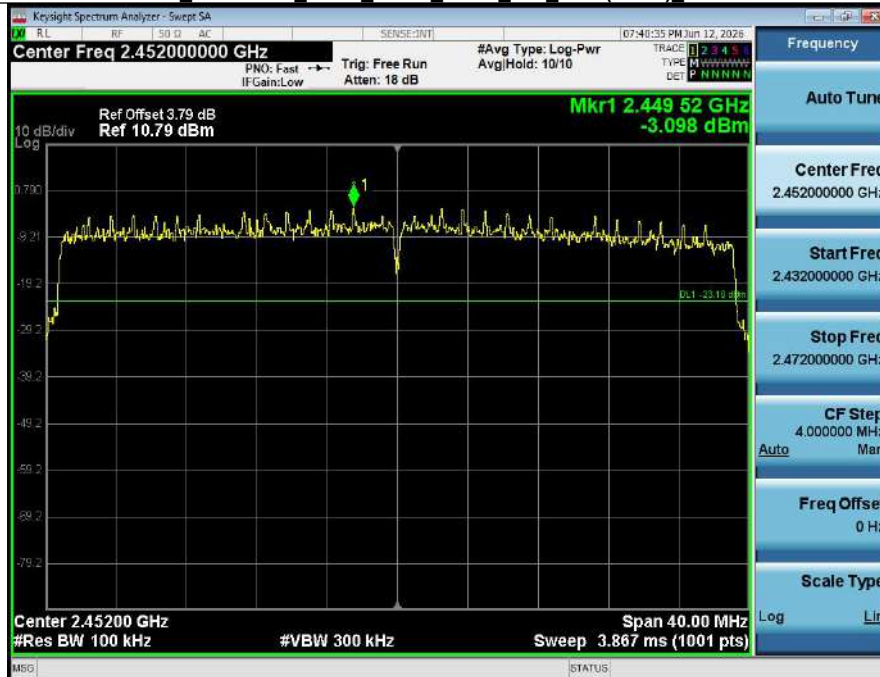
1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2437



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2437



1 Reference Level NVNT ANT1_802_11ax(HE40)_2452



2 Spurious Emission NVNT ANT1_802_11ax(HE40)_2452

